11. References

2 Executive Summary

- 3 BEA (2006) 2005 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and
- 4 "real" GDP, 1929 2005. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC.
- 5 July 29, 2006. Available online at http://www.bea.doc.gov/bea/dn1.htm.
- 6 EIA (2006a) Monthly Energy Review, September 2006 and Unpublished Supplemental Tables on Petroleum Product
- 7 detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 8 0035(2006/09).

1

- 9 EIA (2006b) International Energy Annual 2004. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Updated May-July 2006. < http://www.eia.doe.gov/iea/carbon.html>.
- 11 EPA (2006) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- Washington DC. December 19, 2006. < http://www.epa.gov/air/airtrends/index.html>.
- 13 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 14 OAQPS. December 22, 2003.
- 15 Hofmann, D (2004) Long-lived Greenhouse Gas Annual Averages for 1979-2004. NOAA/ESRL Global
- 16 Monitoring Division, Boulder, CO.
- 17 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 18 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 19 Published: IGES, Japan.
- 20 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others,
- 21 editors. IPCC National Greenhouse Gas Inventories Programme. Available online at <a href="http://www.ipcc-programme.gas.nu/mailable-programme.gas
- 22 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>, August 13, 2004.
- 23 IPCC (2001) Climate Change 2001: A Scientific Basis, Intergovernmental Panel on Climate Change; J.T. Houghton,
- 24 Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge
- 25 University Press. Cambridge, U.K.
- 26 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 27 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 28 XVI/Doc. 10 (1.IV.2000). May.
- 29 IPCC (1996) Climate Change 1995: The Science of Climate Change. Intergovernmental Panel on Climate Change;
- 30 J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge
- 31 University Press. Cambridge, U.K.
- 32 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 33 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 34 Co-Operation and Development, International Energy Agency.
- 35 UNFCCC (2003) National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the
- 36 Convention, UNFCCC Guidelines on Reporting and Review. Conference of the Parties, Eighth Session, New Delhi.
- 37 (FCCC/CP/2002/8) March 28, 2003.
- 38 U.S. Census Bureau (2006) U.S. Census Bureau International Database (IDB). Available online at

1 http://www.census.gov/ipc/www/idbnew.html. Updated: April 26, 2006. Accessed: August 15, 2006.

2 Introduction

- 3 Blasing and Jones (2004). Current Greenhouse Gas Concentrations. In Trends: A Compendium of Data on Global
- 4 Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. Oak Ridge, TN.
- 5 EPA (2005) Air Emissions Trends—Continued Progress Through 2003. U.S. Environmental Protection Agency,
- 6 Washington, DC Available online at http://www.epa.gov/airtrends/econ-emissions.html.
- 7 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 8 OAQPS. December 22, 2003.
- 9 UNFCCC (2006) Updated UNFCCC reporting guidelines on annual inventories following incorporation of the
- provisions of decision 14/CP.11. Substidiary Body for Scientific and Technical Advice. (FCCC/SBSTA/2006/9)
- 11 18 August 2006.
- 12 UNFCCC (2003) National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the
- 13 Convention, UNFCCC Guidelines on Reporting and Review. Conference of the Parties, Eighth Session, New
- 14 Delhi. (FCCC/CP/2002/8) March 28, 2003.
- 15 IPCC (2001) Climate Change 2001: A Scientific Basis, Intergovernmental Panel on Climate Change; J.T. Houghton,
- 16 Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge
- 17 University Press. Cambridge, U.K.
- 18 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 19 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 20 XVI/Doc. 10 (1.IV.2000). May.
- 21 IPCC (1999) Aviation and the Global Atmosphere. Intergovernmental Panel on Climate Change; Penner, J.E., et al.,
- eds.; Cambridge University Press. Cambridge, U.K.
- 23 IPCC (1996) Climate Change 1995: The Science of Climate Change. Intergovernmental Panel on Climate Change;
- J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge
- 25 University Press. Cambridge, U.K.
- 26 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 27 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 28 Co-Operation and Development, International Energy Agency.
- 29 Jacobson, M.Z. (2001) Strong Radiative Heating Due to the Mixing State of Black Carbon in Atmospheric
- 30 Aerosols. Nature, 409, pp. 695 697, Macmillan Publishers.
- 31 NRC (2001) Climate Change Science: An Analysis of Some Key Questions. Committee of the Science of Climate
- 32 Change, National Research Council (available on the internet at http://books.nap.edu/html/climatechange.)
- 33 UNEP/WMO (1999) Information Unit on Climate Change. Framework Convention on Climate Change. Available
- online at http://unfccc.int.
- 35 WMO (1999) Scientific Assessment of Ozone Depletion, Global Ozone Research and Monitoring Project-Report
- 36 No. 44, World Meteorological Organization, Geneva, Switzerland.

1 Trends in Greenhouse Gas Emissions

- 2 BEA (2006) 2005 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and
- 3 "real" GDP, 1929 2005. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC.
- 4 July 29, 2006. Available online at http://www.bea.doc.gov/bea/dn1.htm.
- 5 Duffield, J. (2005) Telephone and email conversations between Lauren Flinn of ICF Consulting and Jim Duffield,
- 6 Office of Energy Policy and New Uses, USDA. April and December.
- 7 EIA (2006a) Monthly Energy Review, September 2006 and Unpublished Supplemental Tables on Petroleum Product
- 8 detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 9 0035(2006/09).
- 10 EIA (2006b) Short-Term Energy Outlook. Energy Information Administration, U.S. Department of Energy,
- 11 Washington, DC. December.
- 12 EIA. (2006c) Annual Energy Review. "Appendix A. Table A3: Approximate Heat Content of Petroleum
- 13 Consumption." Energy Information Administration. Available online at
- 14 http://tonto.eia.doe.gov/bookshelf/SearchResults.asp?title=Annual+Energy+Review
- 15 EIA (1991 through 2005) Fuel Oil and Kerosene Sales. "Table 22: Adjusted Sales for Farm Use: Distillate Fuel Oil
- and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004."
- 17 Energy Information Administration. U.S. Department of Energy, Washington, DC. Available online at
- 18 http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/historical/2004/fok
- 19 s_2004.html>.
- 20 EPA (2005) Air Emissions Trends—Continued Progress Through 2003. U.S. Environmental Protection Agency,
- 21 Washington DC. Available online at http://www.epa.gov/airtrends/econ-emissions.html.
- 22 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 23 OAOPS. December 22, 2003.
- 24 Hoffman, D (2004) Long-lived Greenhouse Gas Annual Averages for 1979-2004. NOAA/ESRL Global Monitoring
- 25 Division, Boulder, CO.
- 26 IPCC (2001) Climate Change 2001: A Scientific Basis, Intergovernmental Panel on Climate Change; J.T. Houghton,
- 27 Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge
- 28 University Press. Cambridge, U.K.
- 29 Keeling, C.D. and T.P. Whorf (2005) Atmospheric CO₂ records from sites in the SIO air sampling network. In
- 30 Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge
- National Laboratory. U.S. Department of Energy, Oak Ridge, Tenn., U.S.A.
- 32 http://cdiac.esd.ornl.gov/trends/co2/sio-keel.htm
- U.S. Census Bureau (2006) U.S. Census Bureau International Database (IDB). Available online at
- 34 http://www.census.gov/ipc/www/idbnew.html>. Updated: April 26, 2006. Accessed: August 15, 2006.
- 35 **Energy**
- 36 EIA (2006) International Energy Annual 2004. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Updated May-July 2006. < http://www.eia.doe.gov/iea/carbon.html>.
- 38 Carbon Dioxide Emissions from Fossil Fuel Combustion

- 1 AAR (2005) Railroad Facts, 2002 Ed. Policy and Economics Department, Association of American Railroads,
- Washington, DC.
- 3 BEA (2006) 2005 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and
- 4 "real" GDP, 1929 2005. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC.
- 5 July 29, 2006. Available online at http://www.bea.doc.gov/bea/dn1.htm.
- 6 BEA (1991 through 2006) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department
- 7 of Commerce, Washington, DC.
- 8 Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains
- 9 Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.
- 10 Corathers, L. (2006) Personal communication between Erin Fraser of ICF International and Lisa Corathers,
- 11 Commodity Specialist, U.S. Geological Survey, October.
- 12 Dakota Gasification Company (2006), CO2 Pipeline Route and Designation Information, Bismarck, ND,
- 13 http://www.dakotagas.com/SafetyHealth/Pipeline Information.html>.
- DESC (2006) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense
- 15 Energy Support Center, Defense Logistics Agency, U.S. Department of Defense, Washington, DC.
- 16 DOC (1991 through 2006) Unpublished "Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign
- 17 Countries." Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce, Washington, DC.
- 18 Form-563.
- 19 DOE (1993 through 2004) Transportation Energy Data Book. Office of Transportation Technologies, Center for
- Transportation Analysis, Energy Division, Oak Ridge National Laboratory, ORNL-6959.
- 21 DOT (1991 through 2006) Fuel Cost and Consumption, Federal Aviation Administration, U.S. Department of
- Transportation, Bureau of Transportation Statistics, Washington, DC, DAI-10.
- 23 EFMA (1995) Production of Ammonia. European Fertilizer Manufacturers Association. March 1.
- 24 EIA (2006a) Annual Energy Review 2005. Energy Information Administration, U.S. Department of Energy,
- Washington, DC, DOE/EIA-0384(2005). July.
- 26 EIA (2006b) Monthly Energy Review, December 2006 and Unpublished Supplemental Tables on Petroleum Product
- 27 detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 28 0035(2006/12).
- 29 EIA (2006c) Emissions of Greenhouse Gases in the United States 2005, Draft Report. Office of Integrated Analysis
- and Forecasting, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE-EIA-
- 31 0573(2005).
- 32 EIA (2006d) International Energy Annual, "World Petroleum Supply and Disposition" Available online at
- 33 http://www.eia.doe.gov/iea/pet.html. Table 3.1.
- 34 EIA (2006e) *Natural Gas Annual 2005*. Energy Information Administration, U.S. Department of Energy,
- Washington, DC, DOE/EIA-0131(04). December.
- 36 EIA (2006f) Short-Term Energy Outlook. Energy Information Administration, U.S. Department of Energy,
- Washington, DC, December.

- 1 EIA (2006g) Personal Communication between Joseph Aamidor of ICF International and Joel Lou of Energy
- 2 Information Administration. Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International
- 3 and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island. September 19, 2006.
- 4 EIA (2005a) Quarterly Coal Report, Energy Information Administration, U.S. Department of Energy, Washington,
- 5 DC. DOE/EIA-0121
- 6 EIA (2005b) Manufacturing Consumption of Energy 2002. Energy Information Administration, U.S. Department of
- 7 Energy, Washington, DC.
- 8 EIA (2004) Natural Gas Annual. Energy Information Administration, U.S. Department of Energy, Washington, DC.
- 9 EIA (2002a) Alternative Fuels Data Tables. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Available online at http://www.eia.doe.gov/fuelalternate.html.
- 11 EIA (2001a) Historical Natural Gas Annual, 1930 2003. Energy Information Administration, U.S. Department of
- 12 Energy, Washington, DC.
- EIA (2001b) U.S. Coal, Domestic and International Issues, Energy Information Administration, U.S. Department of
- 14 Energy, Washington, DC, March.
- 15 EIA (1991 through 2005) Fuel Oil and Kerosene Sales. Energy Information Administration, U.S. Department of
- 16 Energy, Washington, DC, DOE/EIA-0535-annual.
- 17 EPA (2005) Air Emissions Trends—Continued Progress Through 2004. U.S. Environmental Protection Agency,
- Washington DC. August 18, 2005. Available online at http://www.epa.gov/airtrends/2005/econ-emissions.html
- 19 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 20 OAQPS. December 22, 2003.
- 21 EPA (2004) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection Agency.
- 22 Available online at http://www.epa.gov/otaq/ngm.htm.
- 23 Erickson, T. (2003) Plains CO₂ Reduction (PCOR) Partnership, Presented at the Regional Carbon Sequestration
- 24 Partnership Meeting Pittsburgh, Pennsylvania, November 3, 2003, Energy and Environmental Research Center,
- University of North Dakota, available online at http://www.netl.doe.gov/publications/proceedings/03/carbon-
- seq/Erickson.pdf>.
- 27 FAA (2005). FAA Aerospace Forecasts Fiscal Years 2005 2016, Table 32 "General Aviation Aircraft Fuel
- 28 Consumption," Federal Aviation Administration. Available online at
- 29 http://www.faa.gov/data statistics/aviation/aerospace forecasts/2005-2016/>.
- 30 Fitzpatrick, E. (2002) The Weyburn Project: A Model for International Collaboration, available online at
- 31 http://www.netl.doe.gov/coalpower/sequestration/pubs/mediarelease/mr-101102.pdf>.
- 32 FHWA (1996 through 2006) Highway Statistics. Federal Highway Administration, U.S. Department of
- Transportation. Washington, DC, report FHWA-PL-96-023-annual.
- 34 FRB (2006) Industrial Production and Capacity Utilization. Federal Reserve Board, Federal Reserve Statistical
- Release, G.17. Available online at http://www.federalreserve.gov/releases/G17/table1 2.htm> November 7, 2006
- 36 Annual Revision.
- 37 Gambogi, J.(2006). Personal communication between Erin Fraser of ICF International and Joseph Gambogi,
- 38 Commodity Specialist, U.S. Geological Survey, September.

- 1 Grillot, M. (2006) Personal communication between Lauren Pederson of ICF International and Mike Grillot of
- 2 Energy Information Administration. U.S. Territories Fossil Fuel Consumption, 1990–2005. Unpublished data
- developed by the U.S. Energy Information Administration, Washington, DC.
- 4 Johnson, G. L. (2006) Personal communication between Erin Fraser of ICF International and Greg Johnson of
- 5 Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA). October, 2006.
- 6 Kass (2005) Personal communication between Nathaniel Kass of EIA and Erin Fraser of ICF. October.
- 7 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 8 Greenhouse Gas Inventories Programme, Eggleston H.S., Buendia L., Miwa K., Ngara T., and Tanabe K. (eds.).
- 9 Published: IGES, Japan.
- 10 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 11 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 12 Co-Operation and Development, International Energy Agency.
- 13 Marland, G., and A. Pippin (1990) United States Emissions of Carbon Dioxide to the Earth's Atmosphere by
- 14 Economic Activity. Energy Systems and Policy, 14(4):323.
- 15 Onder, H., and E.A. Bagdoyan (1993) Everything You've Always Wanted to Know about Petroleum Coke. Allis
- 16 Mineral Systems.
- 17 SAIC/EIA (2001) Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final
- 18 Report. Prepared by Science Applications International Corporation (SAIC) for Energy Information Administration
- 19 (EIA), Office of Integrated Analysis and Forecasting, U.S. Department of Energy, Washington, DC. 22 June.
- 20 USAF (1998) Fuel Logistics Planning. U.S. Air Force document AFPAM23-221, 1 May.
- 21 U.S. Census Bureau (2005) Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter
- 22 Report 2004 Summary. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 23 U.S. Census Bureau (2004) International Data Base (IDB): World Population Information, Washington DC.
- 24 September 30. Available online at http://www.census.gov/ipc/www/idbnew.html
- U.S. Census Bureau (2006a) Current Industrial Reports Fertilizer and Related Chemicals Summary: 2005.
- Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 27 U.S. Census Bureau (1991 through 1994) Current Industrial Reports Fertilizer Materials Annual Report, Report
- 28 No. MQ28B.
- 29 USITC (2006) USITC Interactive Tariff and Trade DataWeb, United States International Trade Commission, U.S.
- 30 Department of Commerce. Washington, DC. Accessible online at http://dataweb.usitc.gov.
- 31 USAA (2006) Primary Aluminum Statistics. Aluminum Association, Washington, DC. January 2006.
- 32 USGS (1998 through 2002) Mineral Yearbook: Aluminum Annual Report. U.S. Geological Survey, Reston, VA.
- 33 USGS (1995) Mineral Industry Surveys: Aluminum Annual Review 1994. U.S. Geological Survey, U.S. Department
- of the Interior, formerly Bureau of Mines. Washington, DC. May.
- 35 USGS (1991 through 2005) Silicon: Annual Report. U.S. Geological Survey, U.S. Department of the Interior,
- 36 formerly Bureau of Mines. Washington, DC.

- 1 USGS (1991 through 2005) Mineral Yearbook: Titanium Annual Report. U.S. Geological Survey, Reston, VA.
- 2 U.S. International Trade Commission (2006) HTS—2707995010: Carbon Black Feedstock. U.S. Domestic Exports.
- 3 Available online at http://dataweb.usitc.gov.
- 4 U.S. International Trade Commission (2004) HTS—2707: Oils and Other Products of the Distillation of High
- 5 Temperature Coal Tar; Similar Products in which the Weight of Aromatic Constituents Predominate. U.S. General
- 6 Imports. Available online at http://dataweb.usitc.gov>.

7 Carbon Emitted from Non-Energy Uses of Fossil Fuels

- 8 ACC (2006) "Guide to the Business of Chemistry, 2005," American Chemistry Council.
- 9 ACC (2005) "Guide to the Business of Chemistry, 2003," American Chemistry Council.
- 10 Adler, B. (2001) Personal communication between Robert Lanza of ICF International and Bob Adler of the U.S.
- Energy Information Administration (EIA). September 14, 2001.
- 12 APC (2006) "APC Year-End Statistics for 2005," American Plastics Council website, accessed April 2006.
- Available online at http://www.americanplasticscouncil.org/benefits/economic/economic.html.
- 14 APC (2005) "APC Year-End Statistics for 2004," American Plastics Council website, accessed April 2005.
- Available online at http://www.americanplasticscouncil.org/benefits/economic/economic.html.
- APC (2004) "APC Year-End Statistics for 2003," American Plastics Council website, accessed March 2004.
- 17 Available online at http://www.americanplasticscouncil.org/benefits/economic/economic.html>.
- 18 APC (2003) "APC Year-End Statistics for 2002," American Plastics Council website, accessed June 2003.
- 19 Available online at http://www.americanplasticscouncil.org/benefits/economic/economic.html>.
- 20 APC (2001) as cited in ACS (2001) "Production: slow gains in output of chemicals and products lagged behind
- 21 U.S. economy as a whole" Chemical & Engineering News, American Chemical Society, 25 June. Available online
- at .
- APC (2000) as reported in "Facts & Figures for the Chemical Industry," Chemical and Engineering News, Vol. 78
- 24 (26), June 26, 2000. American Plastics Council. Arlington, VA. Available online at
- 25 http://www.plasticsindustry.org/industry/stat3.htm.
- 26 Bank of Canada (2006) "Financial Markets Department Year Average of Exchange Rates," Available online at
- 27 http://www.bankofcanada.ca/en/rates/exchange avg pdf.html>.
- 28 CMA (1999) U.S. Chemical Industry Statistical Handbook. Chemical Manufacturer's Association. Washington,
- 29 DC.
- 30 Connolly, U. (2000) Personal communication between Suzanne Bratis of ICF International and Una Connelly of
- 31 National Asphalt Pavement Association. August 2000. (Tel: 859–288–4960).
- 32 EIA (2006) Monthly Energy Review, December 2006 and Unpublished Supplemental Tables on Petroleum Product
- detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 34 0035(2006/12).
- 35 EIA (2005) EIA Manufacturing Consumption of Energy (MECS) 2002, U.S. Department of Energy, Energy
- 36 Information Administration, Washington, DC.

- 1 EIA (2001a) Manufacturing Energy Consumption Survey (MECS) 1998, U.S. Department of Energy, Energy
- 2 Information Administration, Washington, DC. Available online at
- 3 http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html.
- 4 EIA (1997) Manufacturing Energy Consumption Survey (MECS) 1994, U.S. Department of Energy, Energy
- 5 Information Administration, Washington, DC. December. DOE/EIA-0512(94).
- 6 EIA (1994) Manufacturing Energy Consumption Survey (MECS) 1991, U.S. Department of Energy, Energy
- 7 Information Administration, Washington, DC. December. DOE/EIA-0512(91).
- 8 EIIP (1999) Methods for Estimating Greenhouse Gas Emissions from Combustion of Fossil Fuels, Emissions
- 9 Inventory Improvement Program: State and Territorial Air Pollution Program Administrators/Association of Local
- 10 Air Pollution Control Officials and U.S. Environmental Protection Agency, EIIP Document Series Volume VIII,
- 11 Chapter 1. (STAPPA/ALAPCO/EPA), Washington, DC, August 2000. Available online at
- 12 http://www.epa.gov/ttn/chief/eiip/viii01.pdf>. Accessed August 28, 2000.
- 13 EIIP (1998) "Area Sources" Asphalt Paving, Emissions Inventory Improvement Program: State and Territorial Air
- Pollution Program Administrators/Association of Local Air Pollution Control Officials and U.S. Environmental
- 15 Protection Agency, EIIP Document Series Volume III, Chapter 17. (STAPPA/ALAPCO/EPA), Washington, DC,
- August 2000. Accessed July 27, 2000 http://www.epa.gov/ttn/chief/eiip/iii17.pdf>.
- 17 Eldredge-Roebuck (2000) Personal communication between Joe Casola of ICF International and Brandt Eldredge-
- Roebuck of the American Plastics Council. July, 11 2000. (Tel: 703-253-0611).
- 19 EPA (2006a) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- Washington DC. December 19, 2006. http://www.epa.gov/air/airtrends/index.html
- 21 EPA (2006b) Biennial Reporting System (BRS) Database. U.S. Environmental Protection Agency, Envirofacts
- Warehouse. Washington, DC. Available online at http://www.epa.gov/enviro/html/brs/.
- 23 EPA (2004a) Biennial Reporting System (BRS). U.S. Environmental Protection Agency, Envirofacts Warehouse.
- Washington, DC. Available online at http://www.epa.gov/enviro/html/brs/.
- 25 EPA (2004b) Pesticides Industry Sales and Usage: 2000 and 2001 Market Estimates. U.S. Environmental
- 26 Protection Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at
- 27 http://www.epa.gov/oppbead1/pestsales/.
- 28 EPA (2002) Pesticides Industry Sales and Usage, 1998 and 1999 Market Estimates, U.S. Environmental Protection
- 29 Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at
- 30 http://www.epa.gov/oppbead1/pestsales/99pestsales/market estimates 1999.pdf>. Accessed July 2003.
- 31 EPA (2001) Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-1999, U.S. Environmental Protection
- 32 Agency, Office of Atmospheric Programs, Washington, DC. EPA 236-R-01-001.
- 33 EPA (2000b) Toxics Release Inventory, 1998. U.S. Environmental Protection Agency, Office of Environmental
- 34 Information, Office of Information Analysis and Access, Washington, DC. Available online at
- 35 http://www.epa.gov/triexplorer/chemical.htm.
- 36 EPA (2000c) Hot Mix Asphalt Plants Emission Assessment Report (Draft Report), AP-42. U.S. Environmental
- 37 Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, June. Available
- online at http://www.epa.gov/ttn/emc/asphalt/ea-report.pdf Accessed July 25, 2000.
- 39 EPA (1999) Pesticides Industry Sales and Usage: 1996 and 1997 Market Estimates. U.S. Environmental Protection
- 40 Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at
- 41 http://www.epa.gov/oppbead1/pestsales/97pestsales/market estimates1997.pdf>.

- 1 EPA (1998) Pesticides Industry Sales and Usage, 1994 and 1995 Market Estimates, U.S. Environmental Protection
- 2 Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at
- 3 http://www.epa.gov/oppbead1/pestsales/95pestsales/market estimates 1995.pdf>. Accessed July 2003.
- 4 EPA (1995) Asphalt Paving Operations, AP-42, U.S. Environmental Protection Agency, Office of Air Quality
- 5 Planning and Standards, Research Triangle Park, NC.
- 6 FEB (2006) Fiber Economics Bureau, as cited in C&EN (2006) "Production: Growth in the Norm," Chemical &
- 7 Engineering News, American Chemical Society, 10 July. Available online at http://www.cen-online.org>.
- 8 FEB (2005) Fiber Economics Bureau, as cited in C&EN (2005) "Production: Growth in Most Regions," Chemical
- 9 & Engineering News, American Chemical Society, 11 July. Available online at http://www.cen-online.org.
- 10 FEB (2003) Fiber Economics Bureau, as cited in C&EN (2003) "Production Inches Up in Most Countries,"
- 11 Chemical & Engineering News, American Chemical Society, 7 July. Available online at <a href="http://www.cen-
- 12 online.org>.
- FEB (2001) as reported in "Production: slow gains in output of chemicals and products lagged behind U.S.
- economy as a whole," *Chemical and Engineering News*, Vol. 79 (26), June 25, 2001. Fiber Economics Bureau.
- Washington, DC. Available online at http://pubs.acs.org/cen/coverstory/7926/7926facts&figures.html.
- 16 The Financial Planning Association (2006) "Canada/US Cross-Border Tools: US/Canada Exchange Rates."
- 17 Available from: http://www.fpanet.org/global/planners/US Canada ex rates.cfm. Accessed August 16, 2006.
- 18 Gosselin, Smith, and Hodge (1984) "Clinical Toxicology of Commercial Products." Fifth Edition, Williams &
- 19 Wilkins, Baltimore.
- 20 IISRP (2003) "IISRP Forecasts Moderate Growth in North America to 2007" International Institute of Synthetic
- 21 Rubber Producers, Inc. New Release. Available online at http://www.iisrp.com/press-releases/2003-Press-
- 22 Releases/IISRP-NA-Forecast-03-07.html>.
- 23 IISRP (2000) as reported in ACS (2001) "Facts & Figures for the Chemical Industry," Chemical and Engineering
- 24 News, Vol. 78 (26), June 26, 2000. International Institute of Synthetic Rubber Producers. Houston, Texas.
- Available online in IISRP's February 18, 2000, News Release:
- 26 http://www.iisrp.com/Press%20Releases/2000%20Press%20Releases/ASPR2000-2004.PDF.
- 27 INEGI (2006) "Producción bruta total de las unidades económicas manufactureras por Subsector, Rama, Subrama y
- 28 Clase de actividad."
- 29 http://www.inegi.gob.mx/est/contenidos/espanol/proyectos/censos/ce2004/tb manufacturas.asp. Accessed August
- 30 15, 2006.
- 31 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 32 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 33 Co-Operation and Development, International Energy Agency.
- 34 IPCC/UNEP/WMO (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. Japan:
- 35 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Eggleston H.S.,
- Buendia L., Miwa K., Ngara T., and Tanabe K. (eds).
- 37 Marland, G. and R. M. Rotty (1984) "Carbon dioxide emissions from fossil fuels: a procedure for estimation and
- 38 results for 1950-1982." Tellus. 36B, 4, 232-261.
- 39 Miller, T. (1999) Material Safety Data Sheet, Carbon Black. Continental Carbon Company. Published September
- 40 1, 1999. Downloaded from http://www.continentalcarbon.com/downloads/MSDS.pdf, October 10, 2003.

- 1 NPRA (2001) Selected Petrochemical Statistics—U.S. Trade, Production and Consumption. National
- 2 Petrochemical & Refiners Association, Washington, DC.
- 3 PAN (2002) "Pesticides Database." Pesticide Action Network North America. Available online at
- 4 http://www.pesticideinfo.org>. Accessed summer-fall 2003.
- 5 RMA (2006). Scrap Tire Markets in the United States 2005 Edition. Rubber Manufacturers Association,
- 6 Washington, DC. November 2006.
- 7 RMA (2002) U.S. Scrap Tire Markets 2001. Rubber Manufacturers Association, Washington, DC. December 2002.
- 8 Schneider, S. (2007) E-mail between Shelly Schneider of Franklin Associates, A Division of ERG and Sarah
- 9 Shapiro of ICF International, January 10, 2007.
- 10 SPI (2000) The Society of the Plastics Industry Website, http://www.plasticsindustry.org/industry/stat3.htm.
- 11 Accessed June 28, 2000.
- 12 Statistics Canada (2006) "Canadian Trade by Industry NAICS Codes: NAICS 3252 Resin, Synthetic Rubber, and
- 13 Artificial and Synthetic Fibres and Filaments Manufacturing (NAICS 3252)," Available online at
- 14 http://strategis.ic.gc.ca/sc mrkti/tdst/tdo/tdo.php?headFootDir=%2Fsc mrkti%2Ftdst%2Fheadfoot&naArea=&lan
- 15 g=30&searchType=CS&toFromCountry=CDN¤cy=US&hSelectedCodes=%7C3252&period=&timePeriod=
- 16 %7CCustom+Years&periodString=1990%7C1991%7C1992%7C1993%7C1994%7C1995%7C1996%7C1997%7C
- 17 1998%7C1999%7C2000%7C2001%7C2002%7C2003&productBreakDown=Custom+Years&reportType=DS&pro
- ductType=NAICS&areaCodeStrg=%7CAll&runReport_x=32&javaChart_x=&runGraph_x=&outputType=RPT&c
- 19 hartType=columnApp&grouped=GROUPED#tag>.
- 20 STMC (2003) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 21 Association. Washington, DC. Downloaded from
- 22 http://www.rma.org/scrap tires/scrap tire markets/facts and figures/> and
- 23 http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/. Accessed July 7, 2003.
- Tooly, L. (2001) Personal communication between Robert Lanza of ICF International and Lee Tooly of EPA's
- 25 Office of Air Quality Planning and Standards. Access file sent in an email on August 20, 2001.
- U.S. Bureau of the Census (2004) Soap and Other Detergent Manufacturing: 2002, Issued December 2004,
- document number EC02-31I-325611 (RV). Downloaded from
- 28 http://www.census.gov/prod/ec02/ec0231i325611.pdf.
- 29 U.S. Bureau of the Census (2003) U.S International Trade Commission (USITC) Trade Dataweb,
- 30 http://dataweb.usitc.gov/>. Accessed fall 2002-spring 2003.
- 31 U.S. Census Bureau (1999) 1997 Economic Census, Manufacturing—Industry Series, Petroleum Lubricating Oil
- 32 and Grease Manufacturing, document number EC97M-3241D, and Petroleum Refining, document number EC97M-
- 33 3241A (2 reports).
- 34 U.S. International Trade Commission (2006) Available online at: http://dataweb.usitc.gov/. Accessed September
- 35 27, 2006.
- 36 Wood, A. (2003) "Compendium of Pesticide Common Names" on Alan Wood's Web Site,
- 37 http://www.alanwood.net/pesticides/index.html>. Accessed summer-fall 2003.
- 38 Mobile Combustion (excluding CO₂)
- 39 AAR (2006) Railroad Facts, 2006 Ed. Policy and Economics Department, Association of American Railroads,

- 1 Washington, DC.
- 2 ANL (2006) Argonne National Laboratory (2006) GREET model Version 1.7, June 2006.
- 3 APTA (2006) Commuter Rail National Totals. American Public Transportation Association, Washington, DC,
- 4 2006. Available online at < http://www.apta.com/research/stats/rail/crsum.cfm>.
- 5 Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains
- 6 Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.
- 7 BEA (1991 through 2005) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department
- 8 of Commerce.
- 9 Browning, L. (2005) Personal communication regarding emission control technologies for diesel highway vehicles.
- 10 ICF International.
- Browning, L. (2003) "VMT Projections for Alternative Fueled and Advanced Technology Vehicles through 2025,"
- 12 13th CRC On-Road Vehicle Emissions Workshop, April 2003.
- 13 Census (2000) Vehicle Inventory and Use Survey. U.S. Census Bureau. Washington, DC, database CD-EC97-VIUS.
- 14 DESC (2006) Unpublished data from the Defense Fuels Automated Management System (DFAMS), Defense
- 15 Energy Support Center, Defense Logistics Agency, U.S. Department of Defense.
- 16 DOC (1991 through 2006) Unpublished "Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign
- 17 Countries." Form-563, Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce.
- 18 DOE (1993 through 2006) Transportation Energy Data Book. Office of Transportation Technologies, Center for
- 19 Transportation Analysis, Energy Division, Oak Ridge National Laboratory, ORNL-6959.
- 20 DOT (1991 through 2006) Fuel Cost and Consumption, Federal Aviation Administration, U.S. Department of
- 21 Transportation, Bureau of Transportation Statistics, Washington, DC, DAI-10.
- 22 EIA (2006a) Monthly Energy Review, December 2006 and Unpublished Supplemental Tables on Petroleum Product
- 23 detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 24 0035(2005/12).
- 25 EIA (2006b) International Energy Annual, "World Petroleum Supply and Disposition" Available online at
- 26 http://www.eia.doe.gov/iea/pet.html. Table 3.1.
- 27 EIA (2006c) Annual Energy Review 2005. Energy Information Administration, U.S. Department of Energy,
- 28 Washington, DC, DOE/EIA-0384(2005). July.
- 29 EIA (2004) Natural Gas Annual 2004. Energy Information Administration, U.S. Department of Energy,
- 30 Washington, DC, DOE/EIA-0131(04).
- 31 EIA (2003 through 2004) Personal Communication with Charles Esser. Residual and Distillate Fuel Oil
- 32 Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands,
- and Wake Island.
- 34 EIA (2002a) Alternative Fuels Data Tables. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Available online at http://www.eia.doe.gov/fuelrenewable.html>.
- 36 EIA (2002b) Personal Communication with Joel Lou. Residual and Distillate Fuel Oil Consumption for Vessel

- 1 (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.
- 2 EIA (1991 through 2006) Fuel Oil and Kerosene Sales. Energy Information Administration, U.S. Department of
- 3 Energy, Washington, DC, DOE/EIA-0535-annual.
- 4 EPA (2006a) Annual Certification Test Results Report. Office of Transportation and Air Quality, U.S.
- 5 Environmental Protection Agency. Available online at http://www.epa.gov/otaq/crttst.htm.
- 6 EPA (2006b) Confidential engine family sales data submitted to EPA by manufacturers. Office of Transportation
- and Air Quality, U.S. Environmental Protection Agency.
- 8 EPA (2006c) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- 9 Washington DC. December 19, 2006. < http://www.epa.gov/air/airtrends/index.html>
- 10 EPA (2006d) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection
- 11 Agency. Available online at http://www.epa.gov/otaq/nonrdmdl.htm.
- 12 EPA (2006e) Motor Vehicle Emission Simulator (MOVES). Office of Transportation and Air Quality, U.S.
- 13 Environmental Protection Agency. Available online at http://www.epa.gov/otaq/ngm.htm>.
- 14 EPA (2005) National Emissions Inventory Air Pollutant Emissions Trends Data. Available online at
- 15 http://www.epa.gov/ttn/chief/trends/index.html#tables
- 16 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 17 OAQPS. December 22, 2003.
- 18 EPA (2000) Mobile Vehicle Emission Modeling Software. Office of Mobile Sources, U.S. Environmental
- 19 Protection Agency. Ann Arbor, Michigan.
- 20 EPA (1999a) Emission Facts: The History of Reducing Tailpipe Emissions. Office of Mobile Sources, May, EPA
- 21 420-F-99-017. Available online at http://www.epa.gov/oms/consumer/f99017.pdf>.
- 22 EPA (1999b) Regulatory Announcement: EPA's Program for Cleaner Vehicles and Cleaner Gasoline. Office of
- 23 Mobile Sources, December, EPA420-F-99-051. Available online at http://www.epa.gov/otaq/regs/ld-hwy/tier-
- 24 2/frm/f99051.pdf>.
- 25 EPA (1998) Emissions of Nitrous Oxide from Highway Mobile Sources: Comments on the Draft Inventory of U.S.
- Greenhouse Gas Emissions and Sinks, 1990-1996. Office of Mobile Sources, Assessment and Modeling Division,
- U.S. Environmental Protection Agency, August, EPA420-R-98-009.
- 28 EPA (1997) Mobile Source Emission Factor Model (MOBILE5a). Office of Mobile Sources, U.S. Environmental
- 29 Protection Agency. Ann Arbor, Michigan.
- 30 EPA (1994a) Automobile Emissions: An Overview. Office of Mobile Sources, August, EPA 400-F-92-007.
- 31 Available online at http://www.epa.gov/otaq/consumer/05-autos.pdf.
- 32 EPA (1994b) Milestones in Auto Emissions Control. Office of Mobile Sources, August, EPA 400-F-92-014.
- 33 Available online at http://www.epa.gov/otaq/consumer/12-miles.pdf>.
- 34 EPA (1993) Automobiles and Carbon Monoxide. Office of Mobile Sources, January, EPA 400-F-92-005. Available
- online at http://www.epa.gov/otaq/consumer/03-co.pdf>.
- 36 FAA (2006a). FAA Aerospace Forecasts Fiscal Years 2006-2017, Table 30 "General Aviation Aircraft Fuel
- 37 Consumption," Federal Aviation Administration. Available online at <

- 1 http://www.faa.gov/data statistics/aviation/aerospace forecasts/2006-
- 2 2017/media/FAA%20Aerospace%20Forecast.pdf/>.
- 3 FAA (2006b) Email correspondence containing aviation emissions estimates from the System for Assessing
- 4 Aviation's Global Emissions (SAGE). August, 2006.
- 5 FHWA (1996 through 2006) Highway Statistics. Federal Highway Administration, U.S. Department of
- 6 Transportation. Washington, DC, report FHWA-PL-96-023-annual. Available online at
- 7 http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.htm.
- 8 ICF (2006a) Revisions to Alternative Fuel Vehicle (AFV) Emission Factors for the U.S. Greenhouse Gas Inventory.
- 9 Memorandum from ICF International to John Davies, Office of Transportation and Air Quality, U.S. Environmental
- 10 Protection Agency. November 2006.
- 11 ICF (2006b) Revised Gasoline Vehicle EFs for LEV and Tier 2 Emission Levels. Memorandum from ICF
- 12 International to John Davies, Office of Transportation and Air Quality, U.S. Environmental Protection Agency.
- 13 November 2006.
- 14 ICF (2004) "Update of Methane and Nitrous Oxide Emission Factors for On-Highway Vehicles," Final Report to
- 15 U.S. Environmental Protection Agency, February 2004.
- 16 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 17 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 18 Co-Operation and Development, International Energy Agency.
- 19 Lipman, T. and M. Delucchi (2002) "Emissions of Nitrous Oxide and Methane from Conventional and Alternative
- Fuel Motor Vehicles," Climate Change, Volume 53, pp.477-516. Available online at <a href="http://ist-
- 21 socrates.berkeley.edu/~rael/Climatic Change.pdf>
- 22 Unnasch, S., L. Browning and E. Kassoy (2001) "Refinement of Selected Fuel-Cycle Emissions Analyses, Final
- 23 Report to ARB."
- Whorton, D. (2006) Personal communication. Class II and III Rail energy consumption. American Short Line and
- 25 Regional Railroad Association.
- 26 Coal Mining
- 27 AAPG (1984). Coalbed Methane Resources of the United States, AAPG Studies in Geology Series #17, 1984.
- 28 DOE (1983). Methane Recovery from Coalbeds: A Potential Energy Source, U.S. Department of Energy,
- 29 (DOE/METC/83-76).
- 30 EIA (2006). Annual Coal Report 1991-2005 (Formerly called Coal Industry Annual). U.S. Department of Energy,
- 31 Energy Information Administration, Washington, DC, Table 3.
- 32 EPA (1996). Evaluation and Analysis of Gas Content and Coal Properties of Major Coal Bearing Regions of the
- 33 *United States*, U.S. Environmental Protection Agency, EPA/600/R-96-065.
- 34 GRI (1988). A Geologic Assessment of Natural Gas from Coal Seams Topical Reports, Gas Research Institute 1986-
- 35 88.
- 36 Mutmansky, Jan M. and Yanebi Wang (2000). Analysis of Potential Errors in Determination of Coal Mine Annual
- 37 Methane Emissions, Mineral Resources Engineering, Vol. 9, No. 4, December 2000.

- 1 USBM (1986). Circular 9067, Results of the Direct Method Determination of the Gas Contents of U.S. Coal Basins.
- 2 U.S. Bureau of Mines.

3 Abandoned Coal Mines

- 4 EPA (2003) "Methane Emissions Estimates & Methodology for Abandoned Coal Mines in the U.S.," Draft Final
- 5 Report, Washington DC, June 2003.
- 6 Mutmansky, Jan M., and Yanbei Wang (2000) Analysis of Potential Errors in Determination of Coal Mine Annual
- 7 Methane Emissions, Pennsylvania State University, Department of Energy and Geo-Environmental Engineering,
- 8 University Park, PA.
- 9 U.S. Department of Labor, Mine Health & Safety Administration (2006) Data Retrieval System. Available online at
- 10 http://www.msha.gov/drs/drshome.htm.

11 Petroleum Systems

- 12 EIA (1990-2005) Petroleum Supply Annual 1990-2005 Volume 1. Energy Information Administration, U.S.
- 13 Department of Energy, Washington, DC.
- 14 EIA (1990-2006) Refinery Capacity Report. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Available online at
- 16 http://www.eia.doe.gov/oil gas/petroleum/data publications/refinery capacity data/refcapacity.html>.
- 17 EIA (1995-2005) Annual Energy Review. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Available online at http://www.eia.doe.gov/emeu/aer/contents.html.
- 19 EIA (1995-2006) Monthly Energy Review. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. Available online at http://www.eia.doe.gov/emeu/mer>.
- 21 EPA (1995) Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume I: Stationary Point and
- 22 Area Sources. U.S. Environmental Protection Agency. Available online at
- 23 http://www.epa.gov/ttn/chief/ap42/index.html.
- EPA (1996) Methane Emissions from the U.S. Petroleum Industry. Draft. Prepared by Radian. June 1996.
- 25 EPA (1999) Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report). Office of Air and
- Radiation, U.S. Environmental Protection Agency. Prepared by ICF International. October 1999.
- 27 EPA (2005) Incorporating the Mineral Management Service Gulfwide Offshore Activities Data System (GOADS)
- 28 2000 data into the methane emissions inventories. Prepared by ICF International. 2005.
- 29 EPA & GRI (1996a) Methane Emissions from the Natural Gas Industry, V7: Blow and Purge Activities. Prepared
- 30 by Radian. April 1996.
- 31 EPA & GRI (1996b) Methane Emissions from the Natural Gas Industry, V11: Compressor Driver Exhaust.
- 32 Prepared by Radian. April 1996.
- 33 EPA & GRI (1996c) Methane Emissions from the Natural Gas Industry, V12: Pneumatic Devices. Prepared by
- 34 Radian. April 1996.
- 35 EPA & GRI (1996d) Methane Emissions from the Natural Gas Industry, V13: Chemical Injection Pumps.
- 36 Prepared by Radian. April 1996.

- 1 MMS (2001) Field and Reserve Information. Minerals Management Service, U.S. Department of Interior.
- 2 Available online at http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>.
- 3 MMS (2005a) OCS Platform Activity. Minerals Management Service, U.S. Department of Interior. Available
- 4 online at http://www.mms.gov/stats.
- 5 MMS (2005b) Platform Information and Data. Minerals Management Service, U.S. Department of Interior.
- 6 Available online at http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>.
- 7 MMS (2005c). Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort, OCS Study
- 8 MMS 2004-072.
- 9 MMS (2005d) Pacific OCS Region . Minerals Management Service, U.S. Department of Interior. Available online
- at http://www.gomr.mms.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html.
- OGJ (2005) Oil and Gas Journal 1990-2006, Pipeline Economics Issue, August or September.
- 12 OGJ (2006) Oil and Gas Journal 1990-2005, Worldwide Refining Issue, January 1, 2006.
- 13 United States Army Corps of Engineers (1995-2004) Waterborne Commerce of the United States, Part 5: National
- 14 Summaries. U.S. Army Corps of Engineers, Washington, DC.
- 15 Natural Gas Systems
- 16 AAPG (2004). Shale Gas Exciting Again. American Association of Petroleum Geologists. Available online at
- 17 http://www.aapg.org/explorer/2001/03mar/gas shales.html>.
- 18 AGA (1991 through 1998) Gas Facts. American Gas Association. Washington, DC.
- 19 API (2005) "Table 12—Section III—Producing Oil Wells in the United States by State." Basic Petroleum Data
- 20 Book. American Petroleum Institute. Volume XXV, Number 1. February 2005.
- 21 Alabama (2006). Alabama State Oil and Gas Board. Available online at http://www.ogb.state.al.us.
- 22 Brookhaven (2004) Natural Gas Field Subject of Interest at Brookhaven College. Brookhaven College. Available
- online at http://www.brookhavencollege.edu/news/2004/news1752.html.
- 24 EIA (2004) Report "US LNG Markets and Uses" Energy Information Administration, Department of Energy,
- Washington, DC. June 2004. Available online at http://www.eia.doe.gov/pub/oil_gas/natural_gas/
- 26 feature articles/2004/lng/lng2004.pdf>.
- 27 EIA (2005). "Table 5—U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1977-2003." Energy
- 28 Information Administration, Department of Energy, Washington, DC.
- 29 EIA (2006a). "Documentation of the Oil and Gas Supply Module (OGSM)." Department of Energy, Washington,
- 30 DC. Available online at http://tonto.eia.doe.gov/FTPROOT/modeldoc/m063(2001).pdf>.
- 31 EIA (2006b) Number of Producing Gas and Gas Condensate Wells, 1989-2004, Natural Gas Navigator. Energy
- 32 Information Administration, Department of Energy, Washington, DC. Available online at
- 33 http://tonto.eia.doe.gov/dnav/ng/ng prod wells s1 a.htm>.
- 34 EIA (2006c). "Table 2—Supply and Disposition of Dry Natural Gas in the United States 1999-2005." Natural Gas
- 35 Monthly. Energy Information Administration, Department of Energy, Washington, DC. Available online at
- 36 http://www.eia.doe.gov">.

- 1 EIA (2006d). "Table 3—Natural Gas Consumption in the United States." Natural Gas Monthly. Energy
- 2 Information Administration, Department of Energy, Washington, DC. Available on line at
- 3 http://www.eia.doe.gov.
- 4 EIA (2006e). Table 5.2. Monthly Energy Review. Energy Information Administration, Department of Energy,
- 5 Washington, DC. Available online at http://www.eia.doe.gov/emeu/mer/resource.html>.
- 6 EIA (2006f). "Table 7—Marketed Production of Natural Gas by State." Natural Gas Monthly. Energy Information
- 7 Administration, Department of Energy, Washington, DC. Available online at http://www.eia.doe.gov>.
- 8 EIA (2006g) U.S. Imports by Country. Energy Information Administration, Department of Energy, Washington,
- 9 DC. Available online at http://tonto.eia.doe.gov/dnav/ng/ng move top.asp>.
- 10 EPA/GRI (1996) Methane Emissions from the Natural Gas Industry, Prepared by Harrison, M., T. Shires, J.
- Wessels, and R. Cowgill, eds. Radian International LLC for National Risk Management Research Laboratory, Air
- 12 Pollution Prevention and Control Division, Research Triangle Park, NC, EPA-600/R-96-080a.
- EPA (1999) Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report). Prepared by ICF-Kaizer.
- 14 Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.
- 15 EPA (2006). Natural Gas STAR Reductions 1990-2005. Natural Gas STAR Program.
- 16 GRI (2001). Gas Resource Database: Unconventional Natural Gas and Gas Composition Databases. Second
- 17 Edition, GRI-01/0136.
- 18 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 19 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 20 Published: IGES, Japan.
- 21 Kansas (2006). Kansas Geological Survey. Oil and Gas Production Data, All Wells. University of Kansas.
- 22 Available online at http://www.kgs.ku.edu/PRS/petroDB.html.
- 23 Lippman (2003). Rocky Mountain Region Second Quarter 2003 Production Report. Lippman Consulting, Inc.
- 24 MMS (2006a) Gulf of Mexico Region Offshore Information. Minerals Management Service, U.S. Department of
- 25 Interior. Available online at http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>.
- 26 MMS (2006b) Gulf of Mexico Region Products/Free Data. Minerals Management Service, U.S. Department of
- 27 Interior. Available online at http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>.
- 28 MMS (2006c) Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort, OCS Study
- 29 MMS 2004-072.
- 30 MMS (2006d) OCS Platform Activity. Minerals Management Service, U.S. Department of Interior. Available
- 31 online at http://www.mms.gov/stats>.
- 32 MMS (2006e) Pacific OCS Region. Minerals Management Service, U.S. Department of Interior. Available online
- at http://www.gomr.mms.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html.
- Montana (2006) Montana Online Oil and Gas Information System. Montana Board of Oil and Gas Conservation,
- 35 Billing Office. Available online at http://bogc.dnrc.state.mt.us/jdpIntro.htm>.
- 36 Morgan Stanley (2005), Barnett Shale Update: None-Core Confidence Rises, Available online at
- $37 \qquad \verb|\http://www.endevcoinc.com/technical%20papers/Morgan%20Stanley%20Outlook%20on%20Barnett%20| \\$

- 1 Shale.pdf>.
- 2 New Mexico (2006a). Annual Gas Well Counts by State District. Available online at
- 3 http://www.emnrd.state.nm.us/emnrd/ocd/>.
- 4 New Mexico (2006b). Districts. Available online at http://www.emnrd.state.nm.us/ocd/districts.htm.
- 5 OGJ (1997-2006) "Worldwide Gas Processing." Oil & Gas Journal. PennWell Corporation, Tulsa, OK.
- 6 Oklahoma (2006). Oklahoma Petroleum Information Center Coalbed-Methane Completions database. Oklahoma
- 7 Geological Survey. Available online at http://www.ogs.ou.edu/OPIC/>.
- 8 OPS (2006a) Natural Gas Transmission Pipeline Annual Mileage. Office of Pipeline Safety, Department of
- 9 Transportation. Washington, DC. Available online at http://ops.dot.gov/stats/stats.htm.
- 10 OPS (2006b) Distribution Annuals Data. Office of Pipeline Safety, Department of Transportation. Washington, DC.
- 11 Available online at http://ops.dot.gov/stats/DT98.htm.
- 12 Texas (2006a) Gas Well Counts by County. Texas Railroad Commission. Available online at
- 13 http://www.rrc.state.tx.us/divisions/og/statistics/wells/oggwlct.pdf.
- 14 Texas (2006b) Oil Well Counts by County. Texas Railroad Commission. Available online at
- 15 http://www.rrc.state.tx.us/divisions/og/statistics/wells/ogowlct.pdf.
- 16 Texas (2006c) The Barnett Shale Regional Report. Foster, Brad, Devon Energy. Texas Railroad Commission.
- Available online at http://www.findarticles.com/p/articles/mi qn4182/is 20050620/ai n14675582>.
- 18 Texas (2006d) Oil and Gas District Boundaries. Texas Railroad Commission. Available online at
- 19 http://www.rrc.state.tx.us/divisions/og/ogmap.html.
- 20 Utah (2006) Oil and Gas Data Download. Utah Division of Oil, Gas and Mining Department of Natural
- 21 Resources. Available online at http://ogm.utah.gov/oilgas/DOWNLOAD/downpage.htm.
- World Oil Magazine (2006a). Outlook 2006: United States Producing gas wells. February 2006. Vol. 227 No. 2.
- 23 Available online at http://www.worldoil.com/magazine/MAGAZINE DETAIL.asp?ART ID=2800&
- 24 MONTH YEAR=Feb-2006>.
- World Oil Magazine (2006b). Outlook 2006: United States Producing oil wells, February 2006. Vol. 227 No. 2.
- Available online at http://www.worldoil.com/magazine/magazine detail.asp?ART ID=2799>.
- 27 Wyoming (2006) Wyoming Oil and Gas Conservation Commission. Available online at
- 28 http://wogcc.state.wy.us/coalbedchart.cfm.
- 29 Municipal Solid Waste Combustion
- 30 De Soete, G. G. (1993) Nitrous Oxide from Combustion and Industry: Chemistry, Emissions and Control. In Van
- Amstel, A. R. (ed) Proc. of the International Workshop Methane and Nitrous Oxide: Methods in National Emission
- 32 Inventories and Options for Control, Amersfoort (NL) 3-5 February.
- 33 DeZan, D. (2000) Personal communication between Diane DeZan of the Fiber Economics Bureau and Joe Casola of
- 34 ICF International, August 4, 2000.
- 35 EPA (2006a) Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks.
- 36 U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

- 1 EPA (2006b) Municipal Solid Waste in the United States: Facts and Figures for 2005. U.S. Environmental
- 2 Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC. Available online at <
- 3 http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>.
- 4 EPA (2005a) Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures
- 5 for 2003. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, EPA.
- Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/msw05rpt.pdf.
- 7 EPA (2003) Characterization of Municipal Solid Waste in the United States: 2001 Update. (Draft) U.S.
- 8 Environmental Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC.
- 9 EPA (2002) Characterization of Municipal Solid Waste in the United States: 2000 Update. U.S. Environmental
- 10 Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC, EPA530-R-02-001.
- 11 EPA (2000a) Characterization of Municipal Solid Waste in the United States: 1999 Update Fact Sheet (and Data
- 12 Tables). U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-F-00-
- 13 024
- 14 EPA (2000b) Characterization of Municipal Solid Waste in the United States: Source Data on the 1999 Update.
- 15 U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-F-00-024.
- 16 EPA (1999) Characterization of Municipal Solid Waste in the United States: 1998 Update. Report No. EPA530-R-
- 17 99-021. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC.
- 18 EPA (1998) Characterization of Municipal Solid Waste in the United States: 1997 Update. U.S. Environmental
- 19 Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-R-98-007.
- 20 EPA (1997) Characterization of Municipal Solid Waste in the United States: 1996 Update. U.S. Environmental
- 21 Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-R-97-015.
- 22 EPA (1996) Characterization of Municipal Solid Waste in the United States: 1995 Update. U.S. Environmental
- 23 Protection Agency, Office of Solid Waste, EPA. Washington, DC.
- 24 EPA (1995) Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and
- 25 Area Sources, Introduction. Office of Air Quality Planning and Standards, U.S. EPA. Research Triangle Park, NC.
- 26 October.
- 27 FEB (2006) Fiber Economics Bureau, as cited in C&EN (2006) "Production: Growth in Most Regions," Chemical
- 28 & Engineering News, American Chemical Society, 11 July. Available online at http://www.cen-online.org.
- 29 Glenn, Jim (1999) "11th Annual BioCycle Nationwide Survey: The State of Garbage in America." *BioCycle*, April
- 30 1999. JG Press, Emmaus, PA.
- 31 Goldstein, N. and C. Madtes (2001) "13th Annual BioCycle Nationwide Survey: The State of Garbage in America,"
- 32 *BioCycle*, December 2001. JG Press, Emmaus, PA.
- 33 Goldstein, N. and C. Madtes (2000) "12th Annual BioCycle Nationwide Survey: The State of Garbage in America,
- Part I," *BioCycle*, November 2000. JG Press, Emmaus, PA.
- 35 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 36 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 37 XVI/Doc. 10 (1.IV.2000). May.
- 38 Johnke (1999), as cited in Good Practice Guidance and Uncertainty Management in National Greenhouse Gas
- 39 *Inventories*, Intergovernmental Panel on Climate Change, 2000.

- 1 Kaufman, et al. (2004a) "14th Annual BioCycle Nationwide Survey: The State of Garbage in America 2004"
- 2 Biocycle, January, 2004. JG Press, Emmaus, PA.
- 3 Kaufman, et al. (2004b) "Corrections to State of Garbage 2004" *Biocycle*, April, 2004. JG Press, Emmaus, PA.
- 4 Miller, T. (1999) Material Safety Data Sheet, Carbon Black. Continental Carbon Company. Published September
- 5 1, 1999. Downloaded from http://www.continentalcarbon.com/downloads/MSDS.pdf, October 10, 2003.
- 6 RMA (2006) U.S. Scrap Tire Markets in the United States 2005 Edition. Rubber Manufacturers Association,
- Washington, DC. November 2006.
- 8 Schneider, S. (2007) E-mail between Shelly Schneider of Franklin Associates, A Division of ERG and Sarah
- 9 Shapiro of ICF International, January 10, 2007.
- Simmons, et al. (2006) "15th Nationwide Survey of Municipal Solid Waste Management in the United States: The
- 11 State of Garbage in America" *BioCycle*, April 2006. JG Press, Emmaus, PA.
- 12 STMC (2006) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 13 Association. Washington, DC. Downloaded from
- 14 http://www.rma.org/scrap tires/scrap tire markets/facts and figures/> and
- 15 http://www.rma.org/scrap tires/scrap tire markets/scrap tire characteristics/>, January 3, 2007.
- 16 STMC (2003) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 17 Association. Washington, DC. Downloaded from
- 18 http://www.rma.org/scrap tires/scrap tire markets/facts and figures/> and
- 19 http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/, July 7, 2003.
- 20 STMC (2002) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 21 Association. Washington, DC. Downloaded from http://www.rma.org/scraptires/facts figures.html>, October 22,
- 22 2002.
- 23 STMC (2001) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 24 Association. Washington, DC. Downloaded from http://www.rma.org/scraptires/facts figures.html>, September
- 25 5, 2001.
- 26 STMC (2000) Scrap Tire Facts and Figures. Scrap Tire Management Council of the Rubber Manufacturers
- 27 Association. Washington, DC. Downloaded from http://www.rma.org/scrapfctn.html, July 26, 2000.
- 28 UK: Environment Agency (1999), as cited in Good Practice Guidance and Uncertainty Management in National
- 29 Greenhouse Gas Inventories, Intergovernmental Panel on Climate Change, 2000.
- 30 Yasuda (1993), as cited in Good Practice Guidance and Uncertainty Management in National Greenhouse Gas
- 31 *Inventories*, Intergovernmental Panel on Climate Change, 2000.
- 32 Energy Sources of Indirect Greenhouse Gas Emissions
- 33 EPA (2006) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- Washington DC. December 19, 2006. Available online at < http://www.epa.gov/air/airtrends/index.html>.
- 35 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 36 OAQPS. December 22, 2003.
- 37 EPA (1997) Compilation of Air Pollutant Emission Factors, AP-42, U.S. Environmental Protection Agency, Office
- of Air Quality Planning and Standards, Research Triangle Park, NC, October.

1 International Bunker Fuels

- 2 ASTM (1989) Military Specification for Turbine Fuels, Aviation, Kerosene Types, NATO F-34 (JP-8), and NATO
- F-35. February 10, 1989. Available online at http://test.wbdg.org/ccb/FEDMIL/t_83133d.pdf.
- 4 BEA (1991 through 2006) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA). U.S. Department
- 5 of Commerce, Washington, DC.
- 6 Chevron (2000) Aviation Fuels Technical Review (FTR-3), Chevron Products Company, Chapter 2. Available
- 7 online at http://www.chevron.com/products/prodserv/fuels/bulletin/aviationfuel/2_at_fuel_perf.shtm.
- 8 DESC (2006) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense
- 9 Energy Support Center, Defense Logistics Agency, U.S. Department of Defense, Washington, DC.
- 10 DOC (1991 through 2006) Unpublished "Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign
- 11 Countries." Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce, Washington, DC. Form-
- 12 563.
- 13 DOT (1991 through 2006) Fuel Cost and Consumption. Airline Information, Bureau of Transportation Statistics,
- 14 U.S. Department of Transportation, Washington, DC.
- 15 EIA (2006) Monthly Energy Review, December 2006 and Unpublished Supplemental Tables on Petroleum Product
- detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-
- 17 0035(2006/12).
- 18 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 19 Greenhouse Gas Inventories Programme, Eggleston H.S., Buendia L., Miwa K., Ngara T., and Tanabe K. (eds.).
- 20 Published: IGES, Japan.
- 21 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 22 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 23 Co-Operation and Development, International Energy Agency.
- 24 USAF (1998) Fuel Logistics Planning. U.S. Air Force pamphlet AFPAM23-221, May 1,1998.

25 Wood Biomass and Ethanol Consumption

- 26 EIA (2006) Annual Energy Review 2005. Energy Information Administration, U.S. Department of Energy.
- 27 Washington, DC. July. Tables 10.2a and 10.2b. DOE/EIA-0384(2005).
- 28 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 29 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 30 Co-Operation and Development, International Energy Agency.
- 31 Lindstrom, P. (2006) Personal communication between Jean Kim of ICF Consulting and Perry Lindstrom of the
- 32 Energy Information Administration.

33 Industrial Processes

34 Cement Manufacture

- 35 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 36 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 37 XVI/Doc. 10 (1.IV.2000). May.

- 1 IPCC (1996) Climate Change 1995: The Science of Climate Change, Intergovernmental Panel on Climate Change;
- 2 J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge
- 3 University Press. Cambridge, U.K.
- 4 USGS (2005) Minerals Yearbook: Cement Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 5 USGS (2004) Minerals Yearbook: Cement Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 6 USGS (2003) Minerals Yearbook: Cement Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 7 USGS (2002) Minerals Yearbook: Cement Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 8 USGS (2001) Minerals Yearbook: Cement Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 9 USGS (2000) Minerals Yearbook: Cement Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 10 USGS (1999) Minerals Yearbook: Cement Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 11 USGS (1998) Mineral Industrial Survey: Cement 1997. U.S. Geological Survey, Reston, VA.
- 12 USGS (1997) Mineral Industrial Survey: Cement 1996. U.S. Geological Survey, Reston, VA.
- 13 USGS (1996) Minerals Yearbook: Cement Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 14 USGS (1995) Minerals Yearbook: Cement Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 15 USGS (1994) Minerals Yearbook: Cement Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 16 USGS (1993) Minerals Yearbook: Cement Annual Report 1992. U.S. Geological Survey, Reston, VA.
- 17 Van Oss (2006) Electronic mail from Hendrik Van Oss, Commodity Specialist, USGS to Mr. Erin Fraser, ICF
- 18 International, September 20, 2006.

19 Iron and Steel Production

- 20 AISI (2006) 2005 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 21 AISI (2005) 2004 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 22 AISI (2004) 2003 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 23 AISI (2003) 2002 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 24 AISI (2002) 2001 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 25 AISI (2001) 2000 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 26 AISI (1996) 1995 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- 27 AISI (1995) 1994 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.
- DOE (1997) Office of Industrial Technologies—Energy and Environmental Profile of the U.S. Aluminum Industry,
- 29 July 1997.

- 1 EIA (2006a) Annual Energy Review 2005, Energy Information Administration, U.S. Department of Energy,
- Washington, DC. DOE/ EIA-0384.
- 3 EIA (2006b) Emissions of Greenhouse Gases in the United States 2005. Energy Information Administration, U.S.
- 4 Department of Energy, Washington DC. DOE/EIA-0573 (2005).
- 5 EIA (2006c) Quarterly Coal Report January-March 2006, Energy Information Administration, U.S. Department of
- 6 Energy, Washington, DC. DOE/EIA-0121.
- 7 EIA (2004a) Quarterly Coal Report October-December 2003, Energy Information Administration, U.S. Department
- 8 of Energy, Washington, DC. DOE/EIA-0121.
- 9 EIA (2004b) Emissions of Greenhouse Gases in the United States 2003. Energy Information Administration, U.S.
- Department of Energy, Washington DC. DOE/EIA-0573.
- EIA (2003) Quarterly Coal Report October-December 2002, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121.
- 13 EIA (2002) Quarterly Coal Report October-December 2001, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121.
- 15 EIA (2001) Quarterly Coal Report October-December 2000, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121.
- 17 EIA (2000) Quarterly Coal Report October-December 1999, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121 (2000/4Q).
- 19 EIA (1999) Quarterly Coal Report October-December 1998, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121.
- 21 EIA (1998) Quarterly Coal Report October-December 1997, Energy Information Administration, U.S. Department
- of Energy, Washington, DC. DOE/EIA-0121.
- 23 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 25 Published: IGES, Japan.
- 26 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 27 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 28 XVI/Doc. 10 (1.IV.2000). May.
- 29 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 30 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 31 Co-Operation and Development, International Energy Agency.
- 32 IPCC/UNEP/OECD/IEA (1995) IPCC Guidelines for National Greenhouse Gas Inventories, Volume 3, Greenhouse
- 33 Gas Inventory Reference Manual. Table 2-2. Intergovernmental Panel on Climate Change, United Nations
- 34 Environment Programme, Organization for Economic Co-Operation and Development, International Energy
- 35 Agency. IPCC WG1 Technical Support Unit, UK.
- Jorgenson, J. (2006) Telephone Conversation between Chris Steuer of ICF International and John Jorgenson,
- 37 Commodity Specialist, USGS, 20 September 2006.
- 38 USAA (2006) *Primary Aluminum Statistics*. U.S. Aluminum Association, Washington, DC. January 2006.

- 1 USAA (2005) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC. January 2005.
- 2 USAA (2004) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC. January 2004.
- 3 U.S. Bureau of the Census (2006) U.S International Trade Commission (USITC) Trade Dataweb,
- 4 http://dataweb.usitc.gov/. Accessed Fall 2006.
- 5 USGS (2006) Minerals Yearbook: Iron Ore Report 2005. U.S. Geological Survey, Reston, VA.
- 6 USGS (2005) Minerals Yearbook: Iron Ore Report 2004. U.S. Geological Survey, Reston, VA.
- 7 USGS (2004) Minerals Yearbook: Iron Ore Report 2003. U.S. Geological Survey, Reston, VA.
- 8 USGS (2003) Minerals Yearbook: Iron Ore Report 2002. U.S. Geological Survey, Reston, VA.
- 9 USGS (2002) Minerals Yearbook: Iron Ore Report 2001. U.S. Geological Survey, Reston, VA.
- 10 USGS (2001) Minerals Yearbook: Iron Ore Report 2000. U.S. Geological Survey, Reston, VA.
- 11 USGS (2000) Minerals Yearbook: Iron Ore Report 1999. U.S. Geological Survey, Reston, VA.
- 12 USGS (1999) Minerals Yearbook: Iron Ore Report 1998. U.S. Geological Survey, Reston, VA.
- 13 USGS (1998) Minerals Yearbook: Iron Ore Report 1997. U.S. Geological Survey, Reston, VA.
- 14 USGS (1997) Minerals Yearbook: Iron Ore Report 1996. U.S. Geological Survey, Reston, VA.
- 15 USGS (1996) Minerals Yearbook: Iron Ore Report 1995. U.S. Geological Survey, Reston, VA.
- 16 USGS (1995) Minerals Yearbook: Iron Ore Report 1994. U.S. Geological Survey, Reston, VA.
- 17 USGS (1994) Minerals Yearbook: Iron Ore Report 1993. U.S. Geological Survey, Reston, VA.
- 18 Ammonia Manufacture and Urea Application
- 19 Bark (2004) Coffeyville Nitrogen Plant. Available online at
- 20 http://www.gasification.org/Docs/2003 Papers/07BARK.pdf > Accessed: December 15, 2004.
- 21 Coffeyville Resources Nitrogen Fertilizers, LLC. (2006) Business Data. Available online at
- 22 http://www.coffeyvillegroup.com/businessSnapshot.asp Accessed: September 7, 2006.
- 23 Coffeyville Resources Nitrogen Fertilizers, LLC. (2005) Business Data. Available online at
- 24 http://www.coffeyvillegroup.com/businessSnapshot.asp Accessed: September 12, 2005.
- 25 EFMA (1995) Production of Ammonia. European Fertilizer Manufacturers Association. March 1.
- 26 EIA (1998) Manufacturing Energy Consumption Survey (MECS) U.S. Department of Energy, Energy Information
- 27 Administration, Washington DC. Available online at
- 28 http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html>.
- 29 EIA (1994) Manufacturing Energy Consumption Survey (MECS) U.S. Department of Energy, Energy Information
- 30 Administration, Washington DC.
- 31 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:

- 1 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 2 Co-Operation and Development, International Energy Agency.
- 3 TFI (2002) U.S. Nitrogen Imports/Exports Table, The Fertilizer Institute. Accessed online at
- 4 http://www.tfi.org/statistics/usnexim.asp, August 2002.
- 5 U.S. Census Bureau (2006) Current Industrial Reports Fertilizer Materials and Related Products: 2005 Summary.
- 6 Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 7 U.S. Census Bureau (2005) Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter
- 8 Report 2004 Summary. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 9 U.S. Census Bureau (2004) Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter
- 10 Report 2003 Summary. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 11 U.S. Census Bureau (2003) Current Industrial Reports Fertilizer Materials and Related Products: Annual Reports
- 12 2002 Summary. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 13 U.S. Census Bureau (2002a) Current Industrial Reports Fertilizer Materials and Related Products: First Quarter
- 14 2002, June 2002. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 15 U.S. Census Bureau (2002b) Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter
- 16 2001, March 2002. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 17 U.S. Census Bureau (2002c) Current Industrial Reports Fertilizer Materials and Related Products: Third Quarter
- 18 2001, January 2002. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 19 U.S. Census Bureau (2001a) Current Industrial Reports Fertilizer Materials and Related Products: Second Quarter
- 2001, September 2001. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 21 U.S. Census Bureau (2001b) Current Industrial Reports Fertilizer Materials and Related Products: Annual Report
- 22 2000. Available online at http://www.census.gov/cir/www/325/mq325b.html>.
- 23 U.S. Census Bureau (2000) Current Industrial Reports Fertilizer Materials and Related Products: Annual Report
- 24 1999. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 25 U.S. Census Bureau (1999) Current Industrial Reports Fertilizer Materials and Related Products: Annual Report
- 26 1998. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 27 U.S. Census Bureau (1998) Current Industrial Reports Fertilizer Materials and Related Products: Annual Report
- 28 1997. Available online at http://www.census.gov/cir/www/325/mq325b.html.
- 29 U.S. Census Bureau (1994) Current Industrial Reports Fertilizer Materials Annual Report 1993, Report No.
- 30 MQ28B.
- 31 U.S. Census Bureau (1993) Current Industrial Reports Fertilizer Materials Annual Report 1992, Report No.
- 32 MQ28B.
- 33 U.S. Census Bureau (1992) Current Industrial Reports Fertilizer Materials Annual Report 1991, Report No.
- 34 MQ28B.
- 35 U.S. Census Bureau (1991) Current Industrial Reports Fertilizer Materials Annual Report 1990, Report No.
- 36 MQ28B.

- 1 U.S. ITC (2002) United States International Trade Commission Interactive Tariff and Trade DataWeb, Version
- 2 2.5.0. Accessed online at http://dataweb.usitc.gov/scripts/user-set.asp. Accessed August, 2002.

3 Lime Manufacture

- 4 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 5 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 6 XVI/Doc. 10 (1.IV.2000). May.
- 7 Males, E. (2003) Public review comments received in a memorandum from Eric Males, National Lime Association
- 8 to Mr. William N. Irving & Mr. Leif Hockstad, Environmental Protection Agency. Memorandum dated March 6,
- 9 2003.
- 10 USGS (2006) Minerals Yearbook: Lime Annual Report 2005. U.S. Geological Survey, Reston, VA.
- 11 USGS (2005) Minerals Yearbook: Lime Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 12 USGS (2004) Minerals Yearbook: Lime Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 13 USGS (2003) Minerals Yearbook: Lime Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 14 USGS (2002) Minerals Yearbook: Lime Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 15 USGS (2001) Minerals Yearbook: Lime Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 16 USGS (2000) Minerals Yearbook: Lime Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 17 USGS (1999) Minerals Yearbook: Lime Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 18 USGS (1998) Minerals Yearbook: Lime Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 19 USGS (1997) Minerals Yearbook: Lime Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 20 USGS (1996) Minerals Yearbook: Lime Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 21 USGS (1995) Minerals Yearbook: Lime Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 22 USGS (1994) Minerals Yearbook: Lime Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 23 USGS (1992) Minerals Yearbook: Lime Annual Report 1991. U.S. Geological Survey, Reston, VA.

24 Limestone and Dolomite Use

- USGS (2006) Minerals Yearbook: Magnesium Annual Report 2005. U.S. Geological Survey, Reston, VA.
- 26 USGS (2005a) Minerals Yearbook: Magnesium Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 27 USGS (2005b) Minerals Yearbook: Magnesium Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 28 USGS (2004a) Minerals Yearbook: Crushed Stone Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 29 USGS (2004b) Minerals Yearbook: Magnesium Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 30 USGS (2003a) Minerals Yearbook: Crushed Stone Annual Report 2002. U.S. Geological Survey, Reston, VA.

- 1 USGS (2003b) Minerals Yearbook: Magnesium Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 2 USGS (2002a) Minerals Yearbook: Crushed Stone Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 3 USGS (2002b) Minerals Yearbook: Magnesium Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 4 USGS (2001a) Minerals Yearbook: Crushed Stone Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 5 USGS (2001b) Minerals Yearbook: Magnesium Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 6 USGS (2000a) Minerals Yearbook: Crushed Stone Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 7 USGS (2000b) Minerals Yearbook: Magnesium Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 8 USGS (1999a) Minerals Yearbook: Crushed Stone Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 9 USGS (1999b) Minerals Yearbook: Magnesium Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 10 USGS (1998a) Minerals Yearbook: Crushed Stone Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 11 USGS (1998b) Minerals Yearbook: Magnesium Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 12 USGS (1997a) Minerals Yearbook: Crushed Stone Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 13 USGS (1997b) Minerals Yearbook: Magnesium Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 14 USGS (1996a) Minerals Yearbook: Crushed Stone Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 15 USGS (1996b) Minerals Yearbook: Magnesium Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 16 USGS (1995a) Minerals Yearbook: Crushed Stone Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 17 USGS (1995b) Minerals Yearbook: Crushed Stone Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 18 USGS (1995c) Minerals Yearbook: Magnesium Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 19 USGS (1993) Minerals Yearbook: Crushed Stone Annual Report 1991. U.S. Geological Survey, Reston, VA.
- 20 Weaver (2006) Electronic mail from Susan Weaver, Commodity Specialist, U.S. Geological Survey, to Erin Fraser
- of ICF International. 14 September.

22 Soda Ash Manufacture and Consumption

- 23 USGS (2006) Minerals Yearbook: Soda Ash Annual Report 2005. U.S. Geological Survey, Reston, VA.
- 24 USGS (2005) Minerals Yearbook: Soda Ash Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 25 USGS (2004) Minerals Yearbook: Soda Ash Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 26 USGS (2003) Minerals Yearbook: Soda Ash Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 27 USGS (2002) Minerals Yearbook: Soda Ash Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 28 USGS (2001) Minerals Yearbook: Soda Ash Annual Report 2000. U.S. Geological Survey, Reston, VA.

- 1 USGS (2000) Minerals Yearbook: Soda Ash Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 2 USGS (1999) Minerals Yearbook: Soda Ash Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 3 USGS (1998) Minerals Yearbook: Soda Ash Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 4 USGS (1997) Minerals Yearbook: Soda Ash Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 5 USGS (1996) Minerals Yearbook: Soda Ash Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 6 USGS (1995) Minerals Yearbook: Soda Ash Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 7 USGS (1994) Minerals Yearbook: Soda Ash Annual Report 1993. U.S. Geological Survey, Reston, VA.

8 Titanium Dioxide Production

- 9 Kramer, D. (2006). Telephone conversation between Erin Fraser of ICF Consulting and Deborah Kramer,
- 10 Commodity Specialist, U.S. Geological Survey, September.
- Gambogi, J. (2002). Telephone conversation between Philip Groth of ICF Consulting and Joseph Gambogi,
- 12 Commodity Specialist, U.S. Geological Survey, November.
- 13 Onder, H, and E.A. Bagdoyan (1993) Everything You've Always Wanted to Know about Petroleum Coke. Allis
- 14 Mineral Systems.
- 15 USGS (2006) Minerals Commodity Summaries: Titanium Mineral Concentrates 2005. U.S. Geological Survey,
- 16 Reston, VA.
- 17 USGS (2005) Mineral Yearbook: Titanium Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 18 USGS (2004) Mineral Yearbook: Titanium Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 19 USGS (2003) Mineral Yearbook: Titanium Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 20 USGS (2002) Mineral Yearbook: Titanium Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 21 USGS (2001) Mineral Yearbook: Titanium Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 22 USGS (2000) Mineral Yearbook: Titanium Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 23 USGS (1999) Minerals Yearbook: Titanium Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 24 USGS (1998) Minerals Yearbook: Titanium Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 25 USGS (1997) Minerals Yearbook: Titanium Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 26 USGS (1996) Minerals Yearbook: Titanium Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 27 USGS (1995) Minerals Yearbook: Titanium Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 28 USGS (1994) Minerals Yearbook: Titanium Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 29 USGS (1993) Minerals Yearbook: Titanium Annual Report 1992. U.S. Geological Survey, Reston, VA.

- 1 USGS (1992) Minerals Yearbook: Titanium Annual Report 1991. U.S. Geological Survey, Reston, VA.
- 2 USGS (1991) Minerals Yearbook: Titanium Annual Report 1990. U.S. Geological Survey, Reston, VA.

3 Ferroalloy Production

- 4 Corathers, L. (2006) Personal communication between Erin Fraser of ICF International and Lisa Corathers,
- 5 Commodity Specialist, U.S. Geological Survey, October.
- 6 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 7 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 8 Published: IGES, Japan.
- 9 Onder, H, and E.A. Bagdoyan (1993) Everything You've Always Wanted to Know about Petroleum Coke. Allis
- 10 Mineral Systems.
- 11 USGS (2005) Minerals Yearbook: Silicon Annual Report 2004. U.S. Geological Survey, Reston, VA
- 12 USGS (2004) Minerals Yearbook: Silicon Annual Report 2003. U.S. Geological Survey, Reston, VA
- 13 USGS (2003) Minerals Yearbook: Silicon Annual Report 2002. U.S. Geological Survey, Reston, VA
- 14 USGS (2002) Minerals Yearbook: Silicon Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 15 USGS (2001) Minerals Yearbook: Silicon Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 16 USGS (2000) Minerals Yearbook: Silicon Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 17 USGS (1999) Minerals Yearbook: Silicon Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 18 USGS (1998) Minerals Yearbook: Silicon Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 19 USGS (1997) Minerals Yearbook: Silicon Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 20 USGS (1996) Minerals Yearbook: Silicon Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 21 USGS (1995) Minerals Yearbook: Silicon Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 22 USGS (1994) Minerals Yearbook: Silicon Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 23 USGS (1993) Minerals Yearbook: Silicon Annual Report 1992. U.S. Geological Survey, Reston, VA.
- 24 USGS (1992) Minerals Yearbook: Silicon Annual Report 1991. U.S. Geological Survey, Reston, VA.
- 25 USGS (1991) Minerals Yearbook: Silicon Annual Report 1990. U.S. Geological Survey, Reston, VA.

Phosphoric Acid Production

- 27 EFMA (2000) European Fertilizer Manufacturers Association Best Available Techniques for Pollution Prevention
- and Control in the European Fertilizer Industry -- Booklet No. 4 of 8: Production of Phosphoric Acid. Available
- online at http://www.efma.org/Publications/BAT%202000/Bat04/section04.asp.
- 30 FIPR (2003) Florida Institute of Phosphate Research, Analyses of Some Phosphate Rocks, facsimile from Mr. Gary
- 31 Albarelli, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF Consulting, July 29, 2003.

- FIPR (2003a) Florida Institute of Phosphate Research, personal communication of Mr. Michael Lloyd, Laboratory
- 2 Manager, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF Consulting, August 2003.
- 3 USGS (2006). Minerals Yearbook. Phosphate Rock Annual Report 2005. U.S. Geological Survey, Reston, VA.
- 4 USGS (2005). Minerals Yearbook. Phosphate Rock Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 5 USGS (2004) Minerals Yearbook. Phosphate Rock Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 6 USGS (2003) Electronic mails from Mr. Stephen M Jasinski, USGS Commodity Specialist, Phosphate Rock to Mr.
- 7 Robert Lanza, ICF Consulting, July–August, 2003.
- 8 USGS (2002) Minerals Yearbook. Phosphate Rock Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 9 USGS (2001) Minerals Yearbook. Phosphate Rock Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 10 USGS (2000) Minerals Yearbook. Phosphate Rock Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 11 USGS (1999) Minerals Yearbook. Phosphate Rock Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 12 USGS (1998) Minerals Yearbook. Phosphate Rock Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 13 USGS (1997) Minerals Yearbook. Phosphate Rock Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 14 USGS (1996) Minerals Yearbook. Phosphate Rock Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 15 USGS (1995) Minerals Yearbook. Phosphate Rock Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 16 USGS (1994) Minerals Yearbook. Phosphate Rock Annual Report 1993. U.S. Geological Survey, Reston, VA.

17 Carbon Dioxide Consumption

- Allis, R. et al. (2000) Natural CO₂ Reservoirs on the Colorado Plateau and Southern Rocky Mountains: Candidates
- 19 for CO₂ Sequestration. Utah Geological Survey and Utah Energy and Geoscience Institute, Salt Lake City, Utah.
- 20 ARI (2006) CO2-EOR: An Enabling Bridge for the Oil Transition. Presented to: Modeling the Oil Transition a
- 21 DOE/EPA Workshop on the Economic and Environmental Implications of Global Energy Transitions. Washington,
- 22 DC. April 20-21, 2006.
- 23 Broadhead, R. (2006) Electronic mail from Mr. Ron Broadhead, New Mexico Bureau of Geology and Mineral
- Resources to Mr. Erin Fraser, ICF International, September 2006.
- Denbury Resources Inc. (2006) Annual Report, 2004, Page 34.
- Denbury Resources Inc. (2005) Annual Report, 2004, Page 32.
- 27 Denbury Resources Inc. (2004) Annual Report, 2003, Page 41.
- Denbury Resources Inc. (2003) Annual Report, 2002, Page 14.
- 29 Denbury Resources Inc. (2002) Annual Report, 2001, Page 22.
- **Zinc Production**

- 1 Gabby, P. (2006) Telephone Conversation between Erin Fraser of ICF International and Peter Gabby, Commodity
- 2 Specialist, USGS, 29 September 2006.
- 3 Queneau P.B., James S.E., Downey J.P., Livelli G.M. (1998) Recycling Lead and Zinc in the United States. Zinc
- 4 and Lead Processing. The Metallurgical Society of CIM.
- 5 Recycling Today (2005). Horsehead Sales Complete. Available at
- 6 http://www.recyclingtoday.com/news/news.asp?ID=5137&SubCatID=74&CatID=23. January 5, 2005.
- 7 Sjardin (2003) CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and Inorganics
- 8 *Industry*. Copernicus Institute, Utrecht, The Netherlands.
- 9 Stuart (2005). Telephone Conversation between Chris Steuer of ICF Consulting and Eric Stuart of the Steel
- 10 Manufacturers Association. October 31st, 2005.
- 11 USGS (2005) Minerals Yearbook: Zinc Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 12 USGS (2004) Minerals Yearbook: Zinc Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 13 USGS (2003) Minerals Yearbook: Zinc Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 14 USGS (2002) Minerals Yearbook: Zinc Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 15 USGS (2001) Minerals Yearbook: Zinc Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 16 USGS (2000) Minerals Yearbook: Zinc Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 17 USGS (1999) Minerals Yearbook: Zinc Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 18 USGS (1998) Minerals Yearbook: Zinc Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 19 USGS (1997) Minerals Yearbook: Zinc Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 20 USGS (1996) Minerals Yearbook: Zinc Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 21 USGS (1995) Minerals Yearbook: Zinc Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 22 Viklund-White C. (2000) The Use of LCA for the Environmental Evaluation of the Recycling of Galvanized Steel.
- 23 ISIJ International. Volume 40 No. 3: 292-299.

24 Lead Production

- Gabby, P. (2006) Telephone Conversation between Erin Fraser of ICF International and Peter Gabby, Commodity
- 26 Specialist, USGS, 29 September 2006.
- 27 Dutrizac, J.E., Ramachandran, V., and Gonzalez, J.A. (2000) Lead-zinc 2000. The Minerals, Metals, and Materials
- 28 Society.
- Morris, D., Steward, F.R., and Evans, P. (1983) Energy Efficiency of a Lead Smelter. Energy 8 (5) pp: 337-349
- 30 Sjardin, M. (2003) CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and
- 31 *Inorganics Industry*. Copernicus Institute, Utrecht, The Netherlands.
- 32 Ullman's Encyclopedia of Industrial Chemistry: Fifth Edition (1997) Volume A5. John Wiley and Sons.

- 1 USGS (2005) Minerals Yearbook: Lead Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 2 USGS (2004) Minerals Yearbook: Lead Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 3 USGS (2003) Minerals Yearbook: Lead Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 4 USGS (2002) Minerals Yearbook: Lead Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 5 USGS (2001) Minerals Yearbook: Lead Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 6 USGS (2000) Minerals Yearbook: Lead Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 7 USGS (1999) Minerals Yearbook: Lead Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 8 USGS (1998) Minerals Yearbook: Lead Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 9 USGS (1997) Minerals Yearbook: Lead Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 10 USGS (1996) Minerals Yearbook: Lead Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 11 USGS (1995) Minerals Yearbook: Lead Annual Report 1994. U.S. Geological Survey, Reston, VA.

12 **Petrochemical Production**

- 13 ACC (2006) Guide to the Business of Chemistry 2005. American Chemistry Council. Arlington, VA.
- 14 ACC (2005) Guide to the Business of Chemistry 2005. American Chemistry Council. Arlington, VA.
- 15 ACC (2003) Guide to the Business of Chemistry 2003. American Chemistry Council. Arlington, VA.
- 16 ACC (2002) Guide to the Business of Chemistry 2002. American Chemistry Council. Arlington, VA.
- 17 CMA (1999) U.S. Chemical Industry Statistical Handbook. Chemical Manufacturer's Association. Washington,
- 18 DC.
- 19 EIA (2004) Annual Energy Review 2003. Energy Information Administration, U.S. Department of Energy,
- Washington, DC. DOE/EIA-0384(2003). September.
- 21 EIA (2003) Emissions of Greenhouse Gases in the United States 2002. Office of Integrated Analysis and
- 22 Forecasting, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE-EIA-
- 23 0573(2002). February.
- 24 European IPPC Bureau (2004) Draft Reference Document on Best Available Techniques in the Large Volumen
- 25 Inorganic Chemicals—Solid and Others Industry. European Commission. Page 224, Table 4.21. August 2004.
- 26 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 27 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 28 Co-Operation and Development, International Energy Agency.
- 29 Johnson, G. L. (2006) Personal communication between Erin Fraser of ICF International and Greg Johnson of
- 30 Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA). October, 2006.
- 31 Johnson, G. L. (2005) Personal communication between Erin Fraser of ICF International and Greg Johnson of
- 32 Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA). October, 2005.

- 1 Johnson, G. L. (2003) Personal communication between Caren Mintz of ICF International and Greg Johnson of
- 2 Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA). November, 2003.
- 3 Othmer, K. (1992) Carbon (*Carbon Black*). Volume 4. Page 1045.
- 4 Srivastava, Manoj, I.D. Singh, and Himmat Singh (1999) Structural Characterization of Petroleum Based
- 5 Feedstocks for Carbon Black Production. *Petroleum Science and Technology*. 17(1&2), 67-80, Table-1.
- 6 The Innovation Group (2004) Carbon Black Plant Capacity. http://www.the-innovation-
- 7 group.com/ChemProfiles/Carbon%20Black.htm>.
- 8 U.S. Census Bureau (2006) U.S International Trade Commission (USITC) Trade DataWeb,
- 9 http://dataweb.usitc.gov/. Accessed Fall 2006.
- 10 U.S. Census Bureau (2004) 2002 Economic Census: Manufacturing—Industry Series: Carbon Black
- 11 Manufacturing. Department of Commerce, Washington, DC. EC02-311-325182. September 2004.
- 12 U.S. Census Bureau (1999) 1997 Economic Census: Manufacturing—Industry Series: Carbon Black
- 13 Manufacturing. Department of Commerce, Washington, DC. EC97M-3251F. August 1999.

14 Silicon Carbide Production

- 15 Corathers, L. (2006) Personal communication between Erin Fraser of ICF International and Lisa Corathers,
- 16 Commodity Specialist, U.S. Geological Survey, October.
- 17 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 19 Published: IGES, Japan.
- 20 U.S. Census Bureau (2006) U.S International Trade Commission (USITC) Trade DataWeb,
- 21 http://dataweb.usitc.gov/. Accessed Fall 2006.
- 22 U.S. Census Bureau (2005) U.S International Trade Commission (USITC) Trade DataWeb,
- 23 http://dataweb.usitc.gov/. Accessed fall 2005.
- 24 USGS (2006) Minerals Yearbook: Manufactured Abrasives Annual Report 2004. U.S. Geological Survey, Reston,
- 25 VA
- 26 USGS (2005a) Minerals Yearbook: Manufactured Abrasives Annual Report 2004. U.S. Geological Survey, Reston,
- 27 VA.
- 28 USGS (2005b) Minerals Yearbook: Silicon Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 29 USGS (2004a) Minerals Yearbook: Manufactured Abrasives Annual Report 2003. U.S. Geological Survey, Reston,
- 30 VA.
- 31 USGS (2004b) Minerals Yearbook: Silicon Annual Report 2003. U.S. Geological Survey, Reston, VA.
- 32 USGS (2003a) Minerals Yearbook: Manufactured Abrasives Annual Report 2002. U.S. Geological Survey, Reston,
- 33 VA.
- 34 USGS (2003b) Minerals Yearbook: Silicon Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 35 USGS (2002a) Minerals Yearbook: Manufactured Abrasives Annual Report 2001. U.S. Geological Survey, Reston,

- 1 VA.
- 2 USGS (2002b) Minerals Yearbook: Silicon Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 3 USGS (2001a) Minerals Yearbook: Manufactured Abrasives Annual Report 2000. U.S. Geological Survey, Reston,
- 4 VA.
- 5 USGS (2001b) Minerals Yearbook: Silicon Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 6 USGS (2000a) Minerals Yearbook: Manufactured Abrasives Annual Report 1999. U.S. Geological Survey, Reston,
- 7 VA.
- 8 USGS (2000b) Minerals Yearbook: Silicon Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 9 USGS (1999a) Minerals Yearbook: Manufactured Abrasives Annual Report 1998. U.S. Geological Survey, Reston,
- 10 VA.
- 11 USGS (1999b) Minerals Yearbook: Silicon Annual Report 1998. U.S. Geological Survey, Reston, VA.
- 12 USGS (1998a) Minerals Yearbook: Manufactured Abrasives Annual Report 1997. U.S. Geological Survey, Reston,
- 13 VA.
- 14 USGS (1998b) Minerals Yearbook: Silicon Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 15 USGS (1997a) Minerals Yearbook: Manufactured Abrasives Annual Report 1996. U.S. Geological Survey, Reston,
- 16 VA.
- 17 USGS (1997b) Minerals Yearbook: Silicon Annual Report 1996. U.S. Geological Survey, Reston, VA.
- 18 USGS (1996a) Minerals Yearbook: Manufactured Abrasives Annual Report 1995. U.S. Geological Survey, Reston,
- 19 VA
- 20 USGS (1996b) Minerals Yearbook: Silicon Annual Report 1995. U.S. Geological Survey, Reston, VA.
- 21 USGS (1995a) Minerals Yearbook: Manufactured Abrasives Annual Report 1994. U.S. Geological Survey, Reston,
- 22 VA.
- 23 USGS (1995b) Minerals Yearbook: Silicon Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 24 USGS (1994a) Minerals Yearbook: Manufactured Abrasives Annual Report 1993. U.S. Geological Survey, Reston,
- 25 VA.
- 26 USGS (1994b) Minerals Yearbook: Silicon Annual Report 1993. U.S. Geological Survey, Reston, VA.
- 27 USGS (1993a) Minerals Yearbook: Manufactured Abrasives Annual Report 1992. U.S. Geological Survey, Reston,
- 28 VA.
- 29 USGS (1993b) Minerals Yearbook: Silicon Annual Report 1992. U.S. Geological Survey, Reston, VA.
- 30 USGS (1992a) Minerals Yearbook: Manufactured Abrasives Annual Report 1991. U.S. Geological Survey, Reston,
- 31 VA.
- 32 USGS (1992b) Minerals Yearbook: Silicon Annual Report 1991. U.S. Geological Survey, Reston, VA.

- 1 USGS (1991a) Minerals Yearbook: Manufactured Abrasives Annual Report 1990. U.S. Geological Survey, Reston,
- 2 VA.
- 3 USGS (1991b) Minerals Yearbook: Silicon Annual Report 1990. U.S. Geological Survey, Reston, VA.

4 Nitric Acid Production

- 5 C&EN (2006) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 10, 2006, pg
- 6 64.
- 7 C&EN (2005) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 11, 2005, pg
- 8 72
- 9 C&EN (2004) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 5, 2004, pg 54.
- 10 C&EN (2003) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 27, 2003, pg
- 11 56
- 12 C&EN (2002) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, June 24, 2002, pg
- 13 62
- 14 C&EN (2001) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, June 25, 2001, pg
- 15 46
- 16 Choe, J.S., P.J. Cook, and F.P. Petrocelli (1993) "Developing N2O Abatement Technology for the Nitric Acid
- 17 Industry." Prepared for presentation at the 1993 ANPSG Conference. Air Products and Chemicals, Inc.,
- 18 Allentown, PA.
- 19 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.
- 20 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 21 XVI/Doc. 10 (1.IV.2000). May. Pg 3.35.
- 22 EPA (1997) Compilation of Air Pollutant Emission Factors, AP-42, U.S. Environmental Protection Agency, Office
- of Air Quality Planning and Standards, Research Triangle Park, NC, October.

24 Adipic Acid Production

- 25 ACC (2003) "Adipic Acid Production." Table 3.12—Production of the Top 100 Chemicals. American Chemistry
- 26 Council Guide to the Business of Chemistry, August 2003.
- 27 C&EN (1995) "Production of Top 50 Chemicals Increased Substantially in 1994." Chemical and Engineering
- 28 News. 73(15): 17. April 10, 1995.
- 29 C&EN (1994) "Top 50 Chemicals Production Rose Modestly Last Year." Chemical & Engineering News, 72(15):
- 30 13. April 11, 1994.
- C&EN (1993) "Top 50 Chemicals Production Recovered Last Year." Chemical & Engineering News, 71(15): 11.
- 32 April 12, 1993.
- 33 C&EN (1992) "Production of Top 50 Chemicals Stagnates in 1991." Chemical and Engineering News, 70(15): 17.
- 34 April 13, 1992.
- 35 Childs, D. (2003). Personal communication between Dave Childs of DuPont, USA and Duncan Rotherham of ICF
- Consulting, USA. August 7, 2003.

- 1 Childs, D. (2002). Personal communication between Dave Childs of DuPont, USA and Laxmi Palreddy of ICF,
- 2 Consulting, USA. August 8, 2002.
- 3 CMR (2001) "Chemical Profile: Adipic Acid." Chemical Market Reporter, July 16, 2001.
- 4 CMR (1998) "Chemical Profile: Adipic Acid." Chemical Market Reporter, June 15, 1998.
- 5 CW (2005) "Product Focus: Adipic Acid." Chemical Week, May, 4, 2005.
- 6 CW (1999) "Product Focus: Adipic Acid/Adiponitrile." Chemical Week, March 10, 1999, pg. 31.
- 7 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 8 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 9 XVI/Doc. 10 (1.IV.2000). May. Pg 3.34.
- 10 Reimer, R. (1999). Personal communication between Ron Reimer of DuPont, USA and Heike Mainhardt of ICF,
- 11 Consulting. May 19, 1999.
- 12 Thiemens, M.H., and W.C. Trogler (1991) "Nylon production; an unknown source of atmospheric nitrous oxide."
- 13 Science: 251:932-934.

14 Substitution of Ozone Depleting Substances

- 15 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 16 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 17 Co-Operation and Development, International Energy Agency.

18 HCFC-22 Production

- 19 ARAP (2006) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- 20 Atmospheric Policy, to Sally Rand, EPA. July 11, 2006.
- 21 ARAP (2005) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- 22 Atmospheric Policy, to Deborah Ottinger, EPA. August 9, 2005.
- 23 ARAP (2004) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- 24 Atmospheric Policy, to Deborah Ottinger, EPA. June 3, 2004.
- 25 ARAP (2003) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- Atmospheric Policy, to Sally Rand, EPA. August 18, 2003.
- 27 ARAP (2002) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- Atmospheric Policy, to Deborah Ottinger, EPA. August 7, 2002.
- 29 ARAP (2001) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- 30 Atmospheric Policy, to Deborah Ottinger, EPA. August 6, 2001.
- 31 ARAP (2000) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible
- 32 Atmospheric Policy, to Sally Rand, EPA. August 13, 2000.
- 33 ARAP (1999) Facsimile from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to
- Deborah Ottinger Schaefer, EPA. September 23, 1999.
- 35 ARAP (1997) Letter from Dave Stirpe, Director, Alliance for Responsible Atmospheric Policy, to Elizabeth

- 1 Dutrow, EPA. December 23, 1997.
- 2 Rand, S., M. Branscome, and D. Ottinger (1999) "Opportunities for the Reduction of HFC-23 Emissions from the
- 3 Production of HCFC-22." In: Proceedings from the Joint IPCC/TEAP Expert Meeting On Options for the
- 4 Limitation of Emissions of HFCs and PFCs. Petten, the Netherlands, 26-28 May 1999.
- 5 RTI (1997) "Verification of Emission Estimates of HFC-23 from the Production of HCFC-22: Emissions from
- 6 1990 through 1996." Report prepared by Research Triangle Institute for the Cadmus Group. November 25, 1997;
- 7 revised February 16, 1998.

8 Electrical Transmission and Distribution

- 9 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 10 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 11 XVI/Doc. 10 (1.IV.2000). May.
- 12 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 14 Published: IGES, Japan.
- 15 Maiss, M. and C.A.M. Brenninkmeijer (2000) "A reversed trend in emissions of SF₆ to the atmosphere?" Non-CO₂
- 16 Greenhouse Gases: Scientific Understanding, Control, and Implementation, Proceedings of the Second
- 17 International Symposium, Noordwijkerhout, The Netherlands, 8-10 September 1999, Kluwer Academic Publishers,
- 18 2000, p. 199.
- 19 O'Connell, P., F. Heil, J. Henriot, G. Mauthe, H. Morrison, L. Neimeyer, M. Pittroff, R. Probst, J.P. Tailebois
- 20 (2002) SF₆ in the Electric Industry, Status 2000, Cigre, February 2002.
- 21 RAND (2004) Katie D. Smythe, RAND Environmental Science and Policy Center, "Trends in SF₆ Sales and End-
- 22 Use Applications: 1961-2003," International Conference on SF₆ and the Environment: Emission Reduction
- 23 Strategies. Scottsdale, AZ, December 1-3, 2004.
- 24 UDI (2004) 2004 UDI Directory of Electric Power Producers and Distributors, 112th Edition, Platts.
- 25 UDI (2001) 2001 UDI Directory of Electric Power Producers and Distributors, 109th Edition, Platts.

26 Semiconductor Manufacture

- 27 Burton, C.S., and R, Beizaie (2001) "EPA's PFC Emissions Model (PEVM) v. 2.14: Description and
- 28 Documentation" prepared for Office of Global Programs, U. S. Environmental Protection Agency, Washington, DC.
- 29 20001 November 2001.
- 30 Burton, C.S., and H. Mallya (2005) "PFC Reduction/Climate Partnership for the Semiconductor Industry: Trends in
- Emissions and Documentation," Draft Report, prepared for Office of Atmospheric Programs, U. S. Environmental
- 32 Protection Agency, Washington, DC. 20001. August 2005.
- 33 Citigroup Smith Barney (2005) Global Supply/Demand Model for Semiconductors. March 2005.
- 34 ITRS (2005) International Technology Roadmap for Semiconductors: 2004 Update. January 2005. This and earlier
- 35 editions and updates are available at http://public.itrs.net. Information about the number of interconnect layers for
- 36 years 1990 2010 is contained in Burton and Beizaie, 2001. PEVM is updated using new editions and updates of
- 37 the ITRS, which are published annually.
- 38 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,

- 1 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 2 XVI/Doc. 10 (1.IV.2000). May.
- 3 Semiconductor Equipment and Materials Industry (2006) World Fab Watch, April 2006 Edition, April 2006.
- 4 Strategic Marketing Associates (2003) Personal communication September 5, 2003 between C. S. Burton and
- 5 George Burns, President of Strategic Marketing Associates, PO Box 1217, Santa Cruz, CA 95061.
- 6 VLSI Research, Inc. (2005) Document 327202, V5.061—Worldwide Silicon Demand by Wafer Size, by Linewidth
- 7 and by Device Type. June 2005. Available online at http://www.vlsiresearch.com.
- 8 VSLI Research, Inc. (2003) Personal communication September 5, 2003 between C. S. Burton and Marta
- 9 Hernandez, Analyst at VLSI Research Inc., 1754 Technology Drive, Suite 117, San Jose, CA 95110.

10 **Aluminum Production**

- 11 Kantamaneni R. and D. Pape (2001) "2000 Aluminum Inventory—Uncertainty Analysis", Under EPA Contract No.
- 12 68-W6-0029, Task Order 408. Memorandum to EPA from ICF Consulting. October, 18, 2001.
- Gariepy, B. and G. Dube (1992) "Treating Aluminum with Chlorine." U.S. Patent 5,145,514. Issued September 8,
- 14 1992.
- 15 IAI (2003) Aluminum Sector Greenhouse Gas Protocol: Greenhouse Gas Emissions Monitoring and Reporting by
- the Aluminum Industry, International Aluminum Institute, May 2003. Available at <a href="http://www.world-
- 17 aluminium.org/environment/climate/ghg_protocol.pdf >.
- 18 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 19 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 20 Published: IGES, Japan.
- 21 IPCC (2001) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 22 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 23 XVI/Doc. 10 (1.IV.2000), May 2000.
- 24 Ko, M.K.W., N.D. Sze, W.-C. Wang, G. Shia, A. Goldman, F.J. Murcray, D.G. Murcray, and C.P. Rinsland (1993)
- 25 "Atmospheric Sulfur Hexafluoride: Sources, Sinks, and Greenhouse Warming." Journal of Geophysical Research,
- 26 98, 10499-10507.
- 27 MacNeal, J., T. Rack, and R. Corns (1990) "Process for Degassing Aluminum Melts with Sulfur Hexafluoride."
- 28 U.S. Patent 4,959,101. Issued September 25, 1990.
- 29 Ten Eyck, N. and M. Lukens (1996) "Process for Treating Molten Aluminum with Chlorine Gas and Sulfur
- 30 Hexafluoride to Remove Impurities." U.S. Patent 5,536,296. Issued July 16, 1996.
- 31 USAA (2006) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC. January 2006.
- 32 USAA (2005) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC. January 2005.
- 33 USAA (2004) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC. January 2004.
- 34 USGS (2006) Mineral Commodity Summaries. U.S. Geological Survey, Reston, VA.
- 35 USGS (2002) Mineral Yearbook: Aluminum Annual Report 2001. U.S. Geological Survey, Reston, VA.

- 1 USGS (2001) Minerals Yearbook: Aluminum Annual Report 2000. U.S. Geological Survey, Reston, VA.
- 2 USGS (2000) Minerals Yearbook: Aluminum Annual Report 1999. U.S. Geological Survey, Reston, VA.
- 3 USGS (1998) Minerals Yearbook: Aluminum Annual Report 1997. U.S. Geological Survey, Reston, VA.
- 4 USGS (1995) Minerals Yearbook: Aluminum Annual Report 1994. U.S. Geological Survey, Reston, VA.
- 5 Victor, D.G. and G.J. MacDonald (1998) "A Model for Estimating Future Emissions of Sulfur Hexafluoride and
- 6 Perfluorcarbons." Interim Report for the International Institute for Applied Systems Analysis (IIASA), July, 1998.
- 7 Downloaded from the IIASA website http://www.iiasa.ac.at/, May 23, 2000.
- 8 Zurecki, Z. (1996) "Effect of Atmosphere Composition on Homogenizing Al-Mg and Al-Li Alloys." Gas
- 9 Interactions in Nonferrous Metals Processing—Proceedings of the 1996 125th The Minerals, Metals & Materials
- Society (TMS) Annual Meeting (Anaheim, CA, USA), pp. 77-93.

11 Magnesium Production and Processing

- 12 Bartos S., J. Marks, R. Kantamaneni, C. Laush (2003) "Measured SF₆ Emissions from Magnesium Die Casting
- Operations," Magnesium Technology, Magnesium Technology 2003, Proceedings of The Minerals, Metals &
- 14 Materials Society (TMS) Conference, March 2003.
- 15 EPA (2004) "Characterization of Cover Gas Emissions from U.S. Magnesium Die Casting", Environmental
- Protection Agency, Office of Air and Radiation. EPA430-R-04-004.
- 17 Gjestland, H. and D. Magers (1996) "Practical Usage of Sulphur [Sulfur] Hexafluoride for Melt Protection in the
- Magnesium Die Casting Industry," #13, 1996 Annual Conference Proceedings, Ube City, Japan, International
- 19 Magnesium Association.
- 20 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 21 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 22 XVI/Doc. 10 (1.IV.2000). May.
- 23 RAND (2002) Katie D. Smythe, RAND Environmental Science and Policy Center, "Production and Distribution of
- 24 SF₆ by End-Use Application," International Conference on SF₆ and the Environment: Emission Reduction
- 25 Strategies. San Diego, CA, November 21-22.
- 26 USGS (2002) Minerals Yearbook: Magnesium Annual Report 2001. U.S. Geological Survey, Reston, VA.
- 27 Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>.
- 28 USGS (2003) Minerals Yearbook: Magnesium Annual Report 2002. U.S. Geological Survey, Reston, VA.
- 29 Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis.
- 30 USGS (2005a) Minerals Yearbook: Magnesium Annual Report 2004. U.S. Geological Survey, Reston, VA.
- 31 Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>.
- 32 USGS (2005b) Personal communication between Jeremy Scharfenberg of ICF International and Deborah A. Kramer
- of the U.S. Geological Survey, Reston, VA. September, 2005.
- 34 USGS (2006) Minerals Yearbook: Magnesium Annual Report 2005. U.S. Geological Survey, Reston, VA.
- 35 Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>.

36 Industrial Sources of Indirect Greenhouse Gases

- 1 EPA (2006) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- 2 Washington DC. December 19, 2006. < http://www.epa.gov/air/airtrends/index.html>.
- 3 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 4 OAQPS. December 22, 2003.
- 5 EPA (1997) Compilation of Air Pollutant Emission Factors, AP-42, U.S. Environmental Protection Agency, Office
- 6 of Air Quality Planning and Standards, Research Triangle Park, NC, October.

7 Solvent and Other Product Use

- 8 Nitrous Oxide Product Usage
- 9 CGA (2003) "CGA Nitrous Oxide Abuse Hotline." Compressed Gas Association. November 3, 2003. Available
- online at < http://www.cganet.com/n2o/factsht.asp>.
- 11 CGA (2002) "CGA/NWSA Nitrous Oxide Fact Sheet." Compressed Gas Association. March 25, 2002.
- 12 Heydorn, B. (1997) "Nitrous Oxide—North America." Chemical Economics Handbook, SRI Consulting. May
- 13 1997.
- 14 Kirt-Otthmer (1990) "Anesthetics." Kirk-Otthmer Encyclopedia of Chemical Technology, Volume 2, pp. 781-782.
- 15 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 16 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 17 XVI/Doc. 10 (1.IV.2000). May.
- 18 Tupman, M. (2002) Personal communication between Martin Tupman of Airgas Nitrous Oxide and Laxmi Palreddy
- of ICF Consulting, USA. July 3, 2002.
- 20 Tupman, M. (2003) Personal communication between Martin Tupman of Airgas Nitrous Oxide and Daniel
- Lieberman of ICF Consulting, USA. August 8, 2003.
- 22 Solvent Use
- 23 EPA (2006) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- Washington DC. December 19, 2006. < http://www.epa.gov/air/airtrends/index.html>.
- 25 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 26 OAQPS. December 22, 2003.
- 27 EPA (1997) Compilation of Air Pollutant Emission Factors, AP-42, U.S. Environmental Protection Agency, Office
- of Air Quality Planning and Standards, Research Triangle Park, NC, October.

29 Agriculture

- 30 Enteric Fermentation
- 31 Crutzen, P.J., I. Aselmann, and W. Seiler (1986). "Methane Production by Domestic Animals, Wild Ruminants,
- 32 Other Herbivores, Fauna, and Humans." *Tellus* 38B:271-284.
- Donovan, K. (1999) Personal Communication between Kacey Donovan of University of California, Davis and Staff
- at ICF Consulting.

- 1 Donovan, K. and L. Baldwin (1999) Results of the AAMOLLY model runs for the Enteric Fermentation Model.
- 2 University of California, Davis.
- 3 EPA (2000) Draft Enteric Fermentation Model Documentation. U.S. Environmental Protection Agency, Office of
- 4 Air and Radiation, Washington, DC. June 13.
- 5 EPA (1993) Anthropogenic Methane Emissions in the United States: Estimates for 1990, Report to Congress.
- 6 Office of Air and Radiation, U.S. Environmental Protection Agency, Washington, DC.
- 7 FAO (2006) FAOSTAT Statistical Database. Food and Agriculture Organization of the United Nations. Available
- 8 online at http://apps.fao.org>.
- 9 Feedstuffs (1998) "Nutrient requirements for pregnant replacement heifers." Feedstuffs, Reference Issue, p. 50.
- 10 ICF (2006). Cattle Enteric Fermentation Model: Model Documentation. Prepared by ICF International for the
- 11 Environmental Protection Agency, June 2006.
- 12 ICF (2003). Uncertainty Analysis of 2001 Inventory Estimates of Methane Emissions from Livestock Enteric
- 13 Fermentation in the U.S. Memo from ICF International to the Environmental Protection Agency, May 2003.
- 14 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 15 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 16 Published: IGES, Japan.
- 17 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 18 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 19 XVI/Doc. 10 (1.IV.2000). May.
- 20 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 21 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 22 Cooperation and Development, International Energy Agency.
- Johnson, D. (2002) Personal Communication between Don Johnson of Colorado State University, Fort Collins, and
- 24 ICF Consulting.
- Johnson, D. (2000) Enteric Fermentation Model Progress and Changes. Comments prepared by Don Johnson of
- 26 Colorado State University, Fort Collins, for ICF Consulting.
- 27 Johnson, D. (1999) Personal Communication between Don Johnson of Colorado State University, Fort Collins, and
- 28 David Conneely of ICF Consulting.
- 29 Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician,
- 30 U. S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, 8 May.
- 31 NRC (1999) 1996 Beef NRC, Appendix Table 22. National Research Council.
- 32 NRC (2000) Nutrient Requirements of Beef Cattle: Seventh Revised Edition: Update 2000, Table 11-1, Appendix
- Table 1. National Research Council.
- 34 USDA (2006a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 35 August 2, 2006. Data also available from <www.nass.usda.gov/QuickStats/>.
- 36 USDA (2006b) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 2, 2006. Data also available from <www.nass.usda.gov/QuickStats/>

- 1 USDA (2006c) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 2 Washington, DC. August 2, 2006. Data also available from <www.nass.usda.gov/QuickStats/>.
- 3 USDA (2006d) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 4 Washington, DC. August 2, 2006. Data also available from <www.nass.usda.gov/QuickStats/>.
- 5 USDA (2006e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 6 Washington, DC. August 2, 2006. Data also available from <www.nass.usda.gov/QuickStats/>.
- 7 USDA (2006f) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 8 Washington, DC. August 2, 2006. Data also available from < www.nass.usda.gov/QuickStats/>.
- 9 USDA (2005a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 11 USDA (2005b) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 13 USDA (2005c) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 15 USDA (2005d) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 17 USDA (2005e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 19 USDA (2005f) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. August 8, 2005. Data also available from <www.nass.usda.gov/QuickStats/>.
- 21 USDA (2005i) Census of Agriculture, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. Data for 1992, 1997, and 2002 accessed from <www.nass.usda.gov/QuickStats/> in June 2005.
- 23 USDA (2004a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- July 1, 2004. Data also available from <www.nass.usda.gov/QuickStats/>.
- 25 USDA (2004b) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. June 27, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 27 USDA (2004c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. July 6-7, 2004. Data also available from <www.nass.usda.gov/QuickStats/>.
- 29 USDA (2004d) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 30 Washington, DC. July 1, 2004. Data also available from <www.nass.usda.gov/QuickStats/>.
- 31 USDA (2004e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 31, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 33 USDA (2004f) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. July 1, 2004. Data also available from <www.nass.usda.gov/QuickStats/>.
- 35 USDA (2004g) Chicken and Eggs—Final Estimates 1998-2003, U.S. Department of Agriculture, National
- 36 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 37 http://usda.mannlib.cornell.edu/reports/general/sb/.

- 1 USDA (2004h) Poultry Production and Value—Final Estimates 1998-2002, U.S. Department of Agriculture,
- 2 National Agriculture Statistics Service, Washington, DC. April. Data also available from
- 3 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 4 USDA (2003a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 5 January 31, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 6 USDA (2003b) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. June 27, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 8 USDA (2003c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 9 Washington, DC. January 24 June 20, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 10 USDA (2003d). Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 14, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 12 USDA (2003e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 31, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 14 USDA (2003f) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 14, 2003. Data also available from <www.nass.usda.gov/QuickStats/>.
- 16 USDA (2002a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 17 February 1, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 18 USDA (2002b) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 19 Washington, DC. June 28, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 20 USDA (2002c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 21 Washington, DC. January 25 June 21, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 22 USDA (2002d) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 23 Washington, DC. February 15, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 24 USDA (2002e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 1, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 26 USDA (2002f) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 27 Washington, DC. February 15, 2002. Data also available from <www.nass.usda.gov/QuickStats/>.
- 28 USDA (2001a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 29 January 26, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.
- 30 USDA (2001b) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 31 Washington, DC. December 28, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.
- 32 USDA (2001c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 19 December 21, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.
- 34 USDA (2001d) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 16, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.
- 36 USDA (2001e) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 26, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.

- 1 USDA (2001f) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 2 Washington, DC. February 16, 2001. Data also available from <www.nass.usda.gov/QuickStats/>.
- 3 USDA (2000a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 4 January 28, 2000. Data also available from < www.nass.usda.gov/QuickStats/>.
- 5 USDA (2000b) Chicken and Eggs—Final Estimates 1988-1993, U.S. Department of Agriculture, National
- 7 sets/livestock/95908/sb908.txt>, May 3, 2000.
- 8 USDA (2000c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 9 Washington, DC. January 21 December 22, 2000. Data also available from <www.nass.usda.gov/QuickStats/>.
- 10 USDA (2000d) Milk Production, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 16, 2000. Data also available from <www.nass.usda.gov/QuickStats/>.
- 12 USDA (2000e) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. February 18, 2000. Data also available from <www.nass.usda.gov/QuickStats/>.
- 14 USDA (2000f) Chicken and Eggs—Final Estimates 1988-1993, U.S. Department of Agriculture, National
- 16 sets/livestock/95908/sb908.txt>, May 3, 2000.
- 17 USDA (1999a) Cattle, Final Estimates 1994-1998, U.S. Department of Agriculture, National Agriculture Statistics
- 18 Service, Washington DC. 1999. Data also available from <www.nass.usda.gov/QuickStats/>.
- 19 USDA (1999b) Poultry Production and Value—Final Estimates 1994-97, U.S. Department of Agriculture, National
- 20 Agriculture Statistics Service, Washington, DC. March. Data also available from
- 21 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 22 USDA (1999c) Livestock Slaughter, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 23 Washington, DC. January 22 December 23, 1999. Data also available from <www.nass.usda.gov/QuickStats/>.
- USDA (1999d) Milk Cows and Milk Production—Final Estimates 1993-1997, U.S. Department of Agriculture,
- 25 National Agriculture Statistics Service, Washington, DC. January 1999. Data also available from
- 26 <www.nass.usda.gov/QuickStats/>.
- 27 USDA (1999e) Sheep and Goats, Final Estimates 1994-98, U.S. Department of Agriculture, National Agriculture
- 28 Statistics Service, Washington, DC, 1999. Data also available from <www.nass.usda.gov/QuickStats/>.
- 29 USDA (1999f) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. Data also available from < www.nass.usda.gov/QuickStats/>.
- 31 USDA (1999g) Miscellaneous Livestock and Animal Specialties Inventory and Sales: 1997 and 1992, Table 25,
- 32 U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Accessed May 2000
- 33 http://www.nass.usda.gov/census/census97/volume1/us-51/us2 25.pdf>.
- 34 USDA (1998a) Hogs and Pigs, Final Estimates 1993-97, U.S. Department of Agriculture, National Agriculture
- 35 Statistics Service, Washington, DC. Data also available from <www.nass.usda.gov/QuickStats/>.
- 36 USDA (1998b) Chicken and Eggs—Final Estimates 1994-97, U.S. Department of Agriculture, National Agriculture
- 37 Statistics Service, Washington, DC. December. Data also available from
- 38 http://usda.mannlib.cornell.edu/reports/general/sb/.

- 1 USDA (1996) Beef Cow/Calf Health and Productivity Audit (CHAPA): Forage Analyses from Cow/Calf Herds in
- 2 18 States, National Animal Health Monitoring System, Washington DC. March 1996. Data also available from
- 3 .
- 4 USDA (1995a) Cattle, Final Estimates 1989-93, U.S. Department of Agriculture, National Agriculture Statistics
- 5 Service, Washington, DC. January. Data also available from <www.nass.usda.gov/QuickStats/>.
- 6 USDA (1995b) Dairy Outlook, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 7 Washington, DC. February 27. Data also available from <www.nass.usda.gov/QuickStats/>.
- 8 USDA (1995c) Poultry Production and Value—Final Estimates 1988-1993, U.S. Department of Agriculture,
- 9 National Agriculture Statistics Service, Washington, DC. January. Data also available from
- 10 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 11 USDA (1994a) Hogs and Pigs, Final Estimates 1988-92, U.S. Department of Agriculture, National Agriculture
- 12 Statistics Service, Washington, DC. December. Data also available from <www.nass.usda.gov/QuickStats/>.
- 13 USDA (1994b) Sheep and Goats, Final Estimates 1988-93, U.S. Department of Agriculture, National Agriculture
- 14 Statistics Service, Washington, DC. January 31. Data also available from <www.nass.usda.gov/QuickStats/>.
- 15 USDA:APHIS:VS (2002) Reference of 2002 Dairy Management Practices, National Animal Health Monitoring
- 16 System, Fort Collins, CO. 2002. Data also available from http://www.aphis.usda.gov/vs/ceah/cahm.
- 17 USDA:APHIS:VS (1998) Beef '97, National Animal Health Monitoring System, Fort Collins, CO. 1998. Data also
- available from http://www.aphis.usda.gov/vs/ceah/cahm.
- 19 USDA: APHIS: VS (1996) Reference of 1996 Dairy Management Practices, National Animal Health Monitoring
- 20 System, Fort Collins, CO. 1996. Data also available from http://www.aphis.usda.gov/vs/ceah/cahm.
- 21 USDA:APHIS:VS (1994) Beef Cow/Calf Health and Productivity Audit. National Animal Health Monitoring
- 22 System, Fort Collins, CO. Data also available from http://www.aphis.usda.gov/vs/ceah/cahm.
- 23 USDA:APHIS:VS (1993) Beef Cow/Calf Health and Productivity Audit. National Animal Health Monitoring
- 24 System, Fort Collins, CO. August. Data also available from http://www.aphis.usda.gov/vs/ceah/cahm.
- Western Dairyman (1998) "How Big Should Heifers Be at Calving?" The Western Dairyman, Sept. 1998, p. 12.
- 26 **Manure Management**
- 27 Anderson, S. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Steve Anderson, Agricultural
- 28 Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. 31 May.
- 29 ASAE (1999) ASAE Standards 1999, 46th Edition, American Society of Agricultural Engineers, St. Joseph, MI.
- 30 Bryant, M.P., V.H. Varel, R.A. Frobish, and H.R. Isaacson (1976) In: H.G. Schlegel (ed.). Seminar on Microbial
- 31 Energy Conversion. E. Goltz KG. Gottingen, Germany.
- Deal, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter B. Deal, Rangeland
- 33 Management Specialist, Florida Natural Resource Conservation Service, 21 June.
- 34 EPA (2006) AgSTAR Digest, U.S. Environmental Protection Agency, Office of Air and Radiation. Winter.
- 35 http://www.epa.gov/agstar/pdf/2005digest.pdf Accessed July 2006.
- 36 EPA (2004) National Emission Inventory—Ammonia Emissions from Animal Husbandry Operations. Office of Air

- and Radiation, U.S. Environmental Protection Agency. Available online at
- 2 http://www.epa.gov/ttn/chief/ap42/ch09/related/nh3inventorydraft_jan2004.pdf.
- 3 EPA (2003a) Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2001. EPA 430-R-03-004. U.S.
- 4 Environmental Protection Agency. Washington, DC. 15 April.
- 5 EPA (2003b) AgSTAR Digest, U.S. Environmental Protection Agency, Office of Air and Radiation. Winter.
- 6 http://www.epa.gov/agstar/pdf/2002digest.pdf Accessed July 2006.
- 7 EPA (2002a) Development Document for the Final Revisions to the National Pollutant Discharge Elimination
- 8 System (NPDES) Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations (CAFOS).
- 9 EPA-821-R-03-001. December.
- 10 EPA (2002b) Cost Methodology for the Final Revisions to the National Pollutant Discharge Elimination System
- Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations. EPA-821-R-03-004.
- 12 December.
- 13 EPA (2000) AgSTAR Digest, U.S. Environmental Protection Agency, Office of Air and Radiation. Spring.
- 14 EPA (1992) Global Methane Emissions from Livestock and Poultry Manure, U.S. Environmental Protection
- 15 Agency, Office of Air and Radiation, February.
- 16 ERG (2003) Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory.
- 17 Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG. September 26, 2003.
- 18 ERG (2001) Summary of development of MDP Factor for methane conversion factor calculations. September
- 19 2001.
- 20 ERG (2000a) Calculations: Percent Distribution of Manure for Waste Management Systems. August 2000.
- 21 ERG (2000b) Discussion of Methodology for Estimating Animal Waste Characteristics (Summary of B_o Literature
- 22 Review). June 2000.
- 23 FAO (2006) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United
- Nations database. Available online at http://faostat.fao.org Accessed May 2006.
- 25 Garrett, W.N. and Johnson, D.E. (1983) Nutritional energetics of ruminants. Champaign, Ill. American Society of
- Animal Science. Journal of animal science. July 1983, v. 57 (suppl.2) p. 478-497.
- 27 Groffman, P.M., R. Brumme, K. Butterbach-Bahl, K.E. Dobbie, A.R. Mosier, D. Ojima, H. Papen, W.J. Parton,
- 28 K.A. Smith, and C. Wagner-Riddle. (2000) "Evaluating annual nitrous oxide fluxes at the ecosystem scale." Global
- 29 Biogeochemcial Cycles, 14(4): 1061-1070.
- 30 Hashimoto, A.G. (1984) "Methane from Swine Manure: Effect of Temperature and Influent Substrate Composition
- on Kinetic Parameter (k)." Agricultural Wastes. 9:299-308.
- Hashimoto, A.G., V.H. Varel, and Y.R. Chen (1981) "Ultimate Methane Yield from Beef Cattle Manure; Effect of
- Temperature, Ration Constituents, Antibiotics and Manure Age." Agricultural Wastes. 3:241-256.
- 34 Hill, D.T. (1984) "Methane Productivity of the Major Animal Types." Transactions of the ASAE. 27(2):530-540.
- 35 Hill, D.T. (1982) "Design of Digestion Systems for Maximum Methane Production." *Transactions of the ASAE*.
- 36 25(1):226-230.

- 1 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 2 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 3 Published: IGES, Japan.
- 4 Johnson, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Dan Johnson, State Water
- 5 Management Engineer, California Natural Resource Conservation Service, 23 June.
- 6 Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician,
- 7 U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. 8 May.
- 8 Miller, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Paul Miller, Iowa Natural Resource
- 9 Conservation Service, June 12, 2000.
- 10 Milton, B. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Bob Milton, Chief of Livestock
- 11 Branch, U.S. Department of Agriculture, National Agriculture Statistics Service, May 1, 2000.
- Morris, G.R. (1976) Anaerobic Fermentation of Animal Wastes: A Kinetic and Empirical Design Fermentation.
- 13 M.S. Thesis. Cornell University.
- NOAA (2005) National Oceanic and Atmospheric Administration (NOAA), National Climate Data Center (NCDC)
- Downloaded data in June 2005 from <ftp://ftp.ncdc.noaa.gov/pub/data/cirs/> (for all states except Alaska and
- Hawaii); downloaded data in June 2005 from ftp://ftp.ncdc.noaa.gov/pub/data/globalsod/ (for Alaska and
- 17 Hawaii).
- Pederson, L. and D. Pape. (2006) 1990-2005 Volatile Solids and Nitrogen Excretion Rates, Deliverable Under EPA
- 19 Contract GS-10F-0124J, Task Order 056-01. Memorandum to EPA from ICF Consulting. August 5, 2006.
- 20 Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) Staff Paper
- 21 Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to
- 22 Participate in Voluntary Programs, Department of Agricultural, Resource, and Managerial Economics, Cornell
- University, Ithaca, New York, September.
- 24 Safley, L.M., Jr. and P.W. Westerman (1990) "Psychrophilic Anaerobic Digestion of Animal Manure: Proposed
- 25 Design Methodology." *Biological Wastes*. 34:133-148.
- 26 Safley, L.M., Jr. (2000) Telephone conversation between Deb Bartram of ERG and L.M. Safley, President, Agri-
- Waste Technology, June and October.
- 28 Stettler, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Don Stettler, Environmental
- 29 Engineer, National Climate Center, Oregon Natural Resource Conservation Service, 27 June.
- 30 Sweeten, J. (2000) Telephone conversation between Indra Mitra of ERG and John Sweeten, Texas A&M
- 31 University, June 2000.
- 32 UEP (1999) Voluntary Survey Results—Estimated Percentage Participation/Activity, Caged Layer Environmental
- 33 Management Practices, Industry data submissions for EPA profile development, United Egg Producers and National
- 34 Chicken Council. Received from John Thorne, Capitolink. June 2000.
- 35 USDA (2006a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, > Washington, DC.
- January. Data also available from http://www.nass.usda.gov.
- 37 USDA (2006b) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. April 2006. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm.

- 1 USDA (2006c) Chicken and Eggs 2005 Summary, U.S. Department of Agriculture, National Agriculture Statistics
- 2 Service, Washington, DC. February. Data also available from http://www.nass.usda.gov.
- 3 USDA (2006d) Poultry Production and Value 2005 Summary, U.S. Department of Agriculture, National
- 4 Agriculture Statistics Service, Washington, DC. April. Data also available from http://www.nass.usda.gov>.
- 5 USDA (2006e) Published Estimates Database, U.S. Department of Agriculture, National Agricultural Statistics
- 6 Service, Washington, DC. Downloaded from http://www.nass.usda.gov QuickStats, Accessed May 2006.
- 7 USDA (2005a) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 8 Washington, DC. January 21, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm.
- 9 USDA (2005b) Poultry Production and Value Annual Summary, U.S. Department of Agriculture, National
- Agriculture Statistics Service, Washington, DC. April 28, 2005. Data also available from
- 11 http://www.usda.gov/nass/pubs/estindx1.htm.
- 12 USDA (2005c) *Quarterly Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. December. Data also available from http://www.nass.usda.gov.
- 14 USDA (2005d) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 28, 2005. Data also available from http://www.usda.gov/nass/pubs/reportname.htm.
- 16 USDA (2005e) 1992, 1997, and 2002 Census of Agriculture, U.S. Department of Agriculture, National Agriculture
- 17 Statistics Service, Washington, DC. Available online at http://www.nass.usda.gov/census/ Accessed March
- 18 2006.
- 19 USDA (2004a) Cattle—Final Estimates 1999-2003, U.S. Department of Agriculture, National Agriculture Statistics
- 20 Service, Washington, DC. April. Data also available from http://usda.mannlib.cornell.edu/reports/general/sb/>.
- 21 USDA (2004b) Hogs and Pigs—Final Estimates 1998-2002, U.S. Department of Agriculture, National Agriculture
- 22 Statistics Service, Washington, DC. March. Data also available from
- 23 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 24 USDA (2004c) Chicken and Eggs—Final Estimates 1998-2003, U.S. Department of Agriculture, National
- 25 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 26 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 27 USDA (2004d) Poultry Production and Value—Final Estimates 1998-2002, U.S. Department of Agriculture,
- 28 National Agriculture Statistics Service, Washington, DC. April. Data also available from
- 29 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 30 USDA (2004e) Sheep and Goats—Final Estimates 1999-2003, U.S. Department of Agriculture, National
- 31 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 32 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 33 USDA (2000a) Chicken and Eggs—Final Estimates 1988-1993, U.S. Department of Agriculture, National
- 35 sets/livestock/95908/sb908.txt>, May 3, 2000.
- 36 USDA (2000b) Re-aggregated data from the National Animal Health Monitoring System's (NAHMS) Dairy '96
- 37 study provided by Stephen L. Ott of the U.S. Department of Agriculture, Animal and Plant Health Inspection
- 38 Service. June 19.
- 39 USDA (2000c) Layers '99—Part II: References of 1999 Table Egg Layer Management in the U.S., U.S.
- 40 Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), National Animal Health

- 1 Monitoring System (NAHMS). January.
- 2 USDA (1999a) Cattle—Final Estimates 1994-98, U.S. Department of Agriculture, National Agriculture Statistics
- 3 Service, Washington, DC. January. Data also available from http://usda.mannlib.cornell.edu/reports/general/sb/>.
- 4 USDA (1999b) Poultry Production and Value—Final Estimates 1994-97, U.S. Department of Agriculture, National
- 5 Agriculture Statistics Service, Washington, DC. March. Data also available from
- 6 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 7 USDA (1999c) Sheep and Goats—Final Estimates 1994-1998, U.S. Department of Agriculture, National
- 8 Agriculture Statistics Service, Washington, DC. January. Data also available from
- 9 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 10 USDA (1998a) Hogs and Pigs—Final Estimates 1993-97, U.S. Department of Agriculture, National Agriculture
- 11 Statistics Service, Washington, DC. December. Data also available from
- 12 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 13 USDA (1998b) Chicken and Eggs—Final Estimates 1994-97, U.S. Department of Agriculture, National Agriculture
- 14 Statistics Service, Washington, DC. December. Data also available from
- 15 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 16 USDA (1998c) Re-aggregated data from the National Animal Health Monitoring System's (NAHMS) Swine '95
- 17 study aggregated by Eric Bush of the U.S. Department of Agriculture, Centers for Epidemiology and Animal
- 18 Health.
- 19 USDA (1996a) Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH), Part
- 20 651, U.S. Department of Agriculture, Natural Resources Conservation Service. July.
- 21 USDA (1996b) Swine '95: Grower/Finisher Part II: Reference of 1995 U.S. Grower/Finisher Health &
- 22 Management Practices, U.S. Department of Agriculture, Animal Plant Health and Inspection Service, Washington,
- DC. June.
- 24 USDA (1995a) Cattle—Final Estimates 1989-93, U.S. Department of Agriculture, National Agriculture Statistics
- 25 Service, Washington, DC. January. Data also available from http://usda.mannlib.cornell.edu/reports/general/sb/>.
- 26 USDA (1995b) Poultry Production and Value—Final Estimates 1988-1993, U.S. Department of Agriculture,
- 27 National Agriculture Statistics Service, Washington, DC. January. Data also available from
- 28 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 29 USDA (1994a) Hogs and Pigs—Final Estimates 1988-92, U.S. Department of Agriculture, National Agriculture
- 30 Statistics Service, Washington, DC. December. Data also available from
- 31 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 32 USDA (1994b) Sheep and Goats—Final Estimates 1989-1993, U.S. Department of Agriculture, National
- 33 Agriculture Statistics Service, Washington, DC. January 31, 1994. Data also available from
- 34 http://usda.mannlib.cornell.edu/reports/general/sb/.
- Wright, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter Wright, Cornell University,
- 36 College of Agriculture and Life Sciences, June 23, 2000.
- **Rice Cultivation**
- Bollich, P. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Pat Bollich, Professor
- with Louisiana State University Agriculture Center. May 17, 2000.

- 1 Bossio, D.A., W. Horwath, R.G. Mutters, and C. van Kessel (1999) "Methane pool and flux dynamics in a rice field
- 2 following straw incorporation." *Soil Biology and Biochemistry* 31:1313-1322.
- 3 Cantens, G. (2005) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to
- 4 Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. August 4, 2005.
- 5 Cantens, G. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to
- 6 Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 30, 2004.
- 7 Cicerone R.J., C.C. Delwiche, S.C. Tyler, and P.R. Zimmerman (1992) "Methane Emissions from California Rice
- 8 Paddies with Varied Treatments." *Global Biogeochemical Cycles* 6:233-248.
- 9 Deren, C. (2002) Telephone conversation between Caren Mintz and Dr. Chris Deren, Everglades Research and
- Education Centre at the University of Florida. August 15, 2002.
- Guethle, D. (2006) Telephone conversation between Lauren Flinn of ICF International and David Guethle,
- 12 Agronomy Specialist, Missouri Cooperative Extension Service. July 2005.
- Guethle, D. (2005) Email correspondence between Lauren Flinn of ICF Consulting and David Guethle, Agronomy
- 14 Specialist, Missouri Cooperative Extension Service. July 2005.
- 15 Guethle, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and David Guethle,
- Agronomy Specialist, Missouri Cooperative Extension Service. June 23, 2004.
- 17 Guethle, D. (2003) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle,
- 18 Agronomy Specialist, Missouri Cooperative Extension Service. June 19, 2003.
- 19 Guethle, D. (2002) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle,
- 20 Agronomy Specialist, Missouri Cooperative Extension Service. August 19, 2002.
- 21 Guethle, D. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle,
- 22 Agronomy Specialist at Missouri Cooperative Extension Service. July 31, 2001.
- 23 Guethle, D. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle,
- 24 Agronomy Specialist at Missouri Cooperative Extension Service. September 4, 2001.
- Guethle, D. (2000) Telephone conversation between Payton Deeks of ICF Consulting and David Guethle,
- Agronomy Specialist, Missouri Cooperative Extension Service, May 17, 2000.
- 27 Guethle, D. (1999) Telephone conversation between Payton Deeks of ICF Consulting and David Guethle,
- 28 Agronomy Specialist, Missouri Cooperative Extension Service, August 6, 1999.
- 29 Holzapfel-Pschorn, A., R. Conrad, and W. Seiler (1985) "Production, Oxidation, and Emissions of Methane in Rice
- 30 Paddies." FEMS Microbiology Ecology 31:343-351.
- 31 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 32 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 33 XVI/Doc. 10 (1.IV.2000). May.
- 34 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 35 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 36 Co-Operation and Development, International Energy Agency.
- 37 Kirstein, A. (2006) Telephone conversation between Lauren Flinn of ICF International and Arthur Kirstein,

- 1 Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service,
- 2 FL, August 17, 2006.
- 3 Kirstein, A. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Arthur Kirstein,
- 4 Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service,
- 5 FL, June 30, 2004.
- 6 Kirstein, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arthur Kirstein,
- 7 Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service,
- 8 FL, August 13, 2003.
- 9 Klosterboer, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- retired Extension Agronomist, Texas A&M University, July 7, 2003.
- 11 Klosterboer, A. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- 12 Extension Agronomist, Texas A&M University, August 19, 2002.
- 13 Klosterboer, A. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- Extension Agronomist, Texas A & M University, August 6, 2001.
- 15 Klosterboer, A. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- Extension Agronomist, Texas A & M University, October 8, 2001.
- 17 Klosterboer, A. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer,
- Extension Agronomist, Texas A & M University, May 18, 2000.
- 19 Klosterboer, A. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Arlen
- 20 Klosterboer, Extension Agronomist, Texas A & M University, June 10, 1999.
- 21 Klosterboer, A. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Arlen
- 22 Klosterboer, Texas A & M University, December 1, 1997.
- 23 Lee, D. (2006). Email correspondence between Lauren Flinn of ICF International and Danny Lee, OK Farm
- 24 Service Agency, July 13, 2006.
- Lee, D. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service
- 26 Agency, Stillwater, OK, July, September 2005.
- 27 Lee, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service
- 28 Agency, Stillwater, OK, July 23, 2004.
- 29 Lee, D. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and
- Danny Lee, OK Farm Service Agency, Stillwater, OK, July 2, 2003.
- 31 Lindau, C.W. and P.K. Bollich (1993) "Methane Emissions from Louisiana First and Ratoon Crop Rice." Soil
- 32 Science 156:42-48.
- Lindau, C.W., P.K Bollich, and R.D. DeLaune (1995) "Effect of Rice Variety on Methane Emission from Louisiana
- Rice." *Agriculture, Ecosystems and Environment* 54:109-114.
- Linscombe, S. (2006). Email correspondence between Lauren Flinn of ICF International and Steve Linscombe,
- 36 Professor with the Rice Research Station at Louisiana State University Agriculture Center.
- 37 Slinscombe@agctr.lsu.edu, August 15, 2006.

- 1 Linscombe, S. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Steve Linscombe,
- 2 Professor with the Rice Research Station at Louisiana State University Agriculture Center, July 2005.
- 3 Linscombe, S. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Steve Linscombe,
- 4 Professor with the Rice Research Station at Louisiana State University Agriculture Center, June 23, 2004.
- 5 Linscombe, S. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe,
- 6 Professor with the Rice Research Station at Louisiana State University Agriculture Center, June 10, 2003.
- 7 Linscombe, S. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe,
- 8 Professor with the Rice Research Station at Louisiana State University Agriculture Center, August 21, 2002.
- 9 Linscombe, S. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe,
- Research Agronomist, Rice Research Station in Crowley, LA, July 30– August 1, 2001.
- Linscombe, S. (2001b) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe,
- 12 Research Agronomist, Rice Research Station in Crowley, LA, October 4, 2001.
- 13 Linscombe, S. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Steve Linscombe,
- Research Agronomist, Rice Research Station in Crowley, LA, June 3, 1999.
- 15 Mayhew, W. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Walter Mayhew,
- 16 University of Arkansas, Little Rock, November 24, 1997.
- 17 Mutters, C. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Mr. Cass Mutters, Rice
- 18 Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service, July
- 19 2004.
- 20 Mutters, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Mr. Cass Mutters, Rice
- 21 Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service, June
- 22 25, 2004.
- 23 Mutters, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Mr. Cass Mutters, Rice
- 24 Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service, June
- 25 23, 2003.
- 26 Mutters, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Mr. Cass Mutters, Rice
- 27 Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service,
- 28 August 27, 2002.
- 29 Mutters, C. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Cass Mutters, Rice Farm
- 30 Advisor for Butte, Glen, and Tehama Counties, University of California Cooperative Extension Service, September
- 31 5, 2001.
- 32 Saichuk, J. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and John Saichuk,
- 33 Louisiana State University, November 24, 1997.
- Sass, R.L., F.M Fisher, P.A. Harcombe, and F.T. Turner (1991a) "Mitigation of Methane Emissions from Rice
- 35 Fields: Possible Adverse Effects of Incorporated Rice Straw." Global Biogeochemical Cycles 5:275-287.
- 36 Sass, R.L., F.M. Fisher, F.T. Turner, and M.F. Jund (1991b) "Methane Emissions from Rice Fields as Influenced by
- 37 Solar Radiation, Temperature, and Straw Incorporation." *Global Biogeochemical Cycles* 5:335-350.
- 38 Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1990) "Methane Production and Emissions in a Texas

- 1 Rice Field." Global Biogeochemical Cycles 4:47-68.
- 2 Schueneman, T. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman,
- 3 Palm Beach County Agricultural Extension Agent, Florida, July 30, 2001.
- 4 Schueneman, T. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman,
- 5 Palm Beach County Agricultural Extension Agent, Florida, October 9, 2001.
- 6 Schueneman, T. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman,
- 7 Palm Beach County Agricultural Extension Agent, Florida, May 16, 2000.
- 8 Schueneman, T. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Tom
- 9 Schueneman, Palm Beach County Agricultural Extension Agent, Florida, June 7, 1999.
- 10 Schueneman, T. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman,
- Palm Beach County Agricultural Extension Agent, Florida, August 10, 1999.
- 12 Schueneman, T. (1999c) Telephone conversation between John Venezia of ICF Consulting and Tom Schueneman,
- 13 Palm Beach County Agricultural Extension Agent, Florida, August 7, 1999.
- 14 Schueneman, T. (1997) Telephone conversation between Barbara Braatz of ICF Incorporated and Tom
- 15 Schueneman, County Extension Agent, Florida, November 7, 1997.
- 16 Slaton, N. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Nathan Slaton, Extension
- 17 Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, August 23,
- 18 2001.
- 19 Slaton, N. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Nathan Slaton, Extension
- 20 Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, October 3,
- 21 2001.
- 22 Slaton, N. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Nathan Slaton, Extension
- 23 Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, May 20, 2000.
- 24 Slaton, N. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Nathan Slaton,
- 25 Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, June
- 26 3, 1999.
- 27 Stansel, J. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident
- 28 Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center, July 2005.
- 29 Stansel, J. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident
- 30 Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center, July 12,
- 31 2004.
- 32 Stevens, G. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Gene Stevens,
- Extension Specialist, Missouri Commercial Agriculture Program, Delta Research Center, December 17, 1997.
- 34 Street, J. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and
- Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, June 19, 2003.
- 36 Street, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and
- Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, August 19, 2002.

- 1 Street, J. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Joe Street, Mississippi
- 2 State University, Delta Research and Extension Center and Delta Branch Station, August 1, 2001.
- 3 Street, J. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Joe Street, Mississippi
- 4 State University, Delta Research and Extension Center and Delta Branch Station, October 3, 2001.
- 5 Street, J. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Joe Street, Rice Specialist,
- 6 Mississippi State University, Delta Research Center, May 17, 2000.
- 7 Street, J. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Joe Street, Rice
- 8 Specialist, Mississippi State University, Delta Research Center, June 8, 1999.
- 9 Street, J. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Dr. Joe Street,
- 10 Mississippi State University, Delta Research and Extension Center and Delta Branch Station, December 1, 1997.
- 11 Texas Agricultural Experiment Station (2006). "2005 Texas Rice Crop Statistics Report." Agricultural Research
- 12 and Extension Center. Texas Agricultural Experiment Station. Texas A&M University System. Page 8. Available
- online at http://beaumont.tamu.edu/eLibrary/TRRFReport_default.htm.
- 14 USDA (2006) Crop Production 2005 Summary, National Agricultural Statistics Service, Agricultural Statistics
- Board, U.S. Department of Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu.
- 16 USDA (2005) Crop Production 2004 Summary. National Agricultural Statistics Service, U.S. Department of
- 17 Agriculture. Available online at http://usda.mannlib.cornell.edu/. Accessed June 2005.
- 18 USDA (2003) Field Crops, Final Estimates 1997-2002. Statistical Bulletin No. 982. National Agricultural
- 19 Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online
- at http://usda.mannlib.cornell.edu/usda/reports/general/sb/>. Accessed September 2005.
- 21 USDA (1998) Field Crops Final Estimates 1992-97. Statistical Bulletin Number 947 a. National Agricultural
- 22 Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/.
- Accessed July 2001.
- 24 USDA (1994) Field Crops Final Estimates 1987-1992. Statistical Bulletin Number 896. National Agricultural
- 25 Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/.
- Accessed July 2001.
- Walker, T. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Tim Walker, Assistant
- 28 Research Professor, Mississippi State University Delta Branch Exp. Station, July 2005.
- Wilson, C. (2006) Email coorespondence between Lauren Flinn of ICF International and Dr. Chuck Wilson, Rice
- 30 Specialist at the University of Arkansas Cooperative Extension Service. (870) 673-2661. Wilson@uamont.edu. 8
- 31 August.
- Wilson, C. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice
- 33 Specialist at the University of Arkansas Cooperative Extension Service, August 2005.
- Wilson, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice
- 35 Specialist at the University of Arkansas Cooperative Extension Service, June 23, 2004.
- 36 Wilson, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice
- 37 Specialist at the University of Arkansas Cooperative Extension Service, June 11, 2003.
- Wilson, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice

1 Specialist at the University of Arkansas Cooperative Extension Service, August 23, 2002.

2 Agricultural Soil Management

- 3 AAPFCO (2006) Commercial Fertilizers 2005. Association of American Plant Food Control Officials and The
- 4 Fertilizer Institute. University of Kentucky, Lexington, KY.
- 5 AAPFCO (2005) Commercial Fertilizers 2004. Association of American Plant Food Control Officials and The
- 6 Fertilizer Institute. University of Kentucky, Lexington, KY.
- 7 AAPFCO (2004) Commercial Fertilizers 2003. Association of American Plant Food Control Officials and The
- 8 Fertilizer Institute. University of Kentucky, Lexington, KY.
- 9 AAPFCO (2003) Commercial Fertilizers 2002. Association of American Plant Food Control Officials and The
- 10 Fertilizer Institute. University of Kentucky, Lexington, KY.
- 11 AAPFCO (2002) Commercial Fertilizers 2001. Association of American Plant Food Control Officials and The
- 12 Fertilizer Institute. University of Kentucky, Lexington, KY.
- 13 AAPFCO (2000a) 1999-2000 Commercial Fertilizers Data, ASCII files. Available from David Terry, Secretary,
- 14 AAPFCO.
- 15 AAPFCO (2000b) Commercial Fertilizers 2000. Association of American Plant Food Control Officials. University
- of Kentucky, Lexington, KY.
- 17 AAPFCO (1999) Commercial Fertilizers 1999. Association of American Plant Food Control Officials. University
- 18 of Kentucky, Lexington, KY.
- 19 AAPFCO (1998) Commercial Fertilizers 1998. Association of American Plant Food Control Officials. University
- of Kentucky, Lexington, KY.
- 21 AAPFCO (1997) Commercial Fertilizers 1997. Association of American Plant Food Control Officials. University
- of Kentucky, Lexington, KY.
- 23 AAPFCO (1996) Commercial Fertilizers 1996. Association of American Plant Food Control Officials. University
- of Kentucky, Lexington, KY.
- 25 AAPFCO (1995) Commercial Fertilizers 1995. Association of American Plant Food Control Officials. University
- of Kentucky, Lexington, KY.
- 27 Alexander, R.B. and R.A. Smith (1990) County-Level Estimates of Nitrogen and Phosphorous Fertilizer Use in the
- 28 United States, 1945-1985. U.S. Geological Survey Open File Report 90-130.
- 29 Anderson, S. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Steve Anderson, Agricultural
- 30 Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 31,
- 31 2000.
- Anonymous (1924) Fertilizer Used on Cotton, 1923-1924. Table 753 in "Miscellaneous Agricultural Statistics."
- 33 1924 Yearbook of the Department of Agriculture, p. 1171.
- 34 ASAE (1999) ASAE Standards 1999. 46th Edition, American Society of Agricultural Engineers, St. Joseph, MI.
- 35 Bastian, R. (2006) Telephone conversation between Lauren Flinn of ICF International and Robert Bastian, Office
- of Water, U.S. Environmental Protection Agency, Washington, DC, 17 July 2006.

- 1 Bastian, R. (2005) Telephone conversation between Lauren Flinn of ICF Consulting and Robert Bastian, Office of
- Water, U.S. Environmental Protection Agency, Washington, DC, September 2005.
- 3 Bastian, R. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Robert Bastian, Office of
- 4 Water, U.S. Environmental Protection Agency, Washington, DC, August 13, 2003.
- 5 Bastian, R. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Robert Bastian, Office of
- 6 Water, U.S. Environmental Protection Agency, Washington, DC, 23 August.
- 7 Battaglin, W.A., and D.A. Goolsby (1994) Spatial Data in Geographic Information System Format on Agricultural
- 8 Chemical Use, Land Use, and Cropping Practices in the United States. U.S. Geological Survey Water-Resources
- 9 Investigations Report. 94-4176.
- Bogue A.G. (1963) From Prairie to Corn Belt: Farming on the Illinois and Iowa prairies in the Nineteenth
- 11 Century. The University of Chicago Press, Chicago, IL.
- 12 Bonnen C.A., and F.F. Elliott (1931) Type of Farming Areas in Texas. Texas Agricultural Experiment Station
- Bulletin Number 427. Agricultural and Mechanical College of Texas.
- Bouwman, A.F., Boumans, L.J.M., and Batjes, N.H. 2002a. Emissions of N₂O and NO from fertilised fields:
- 15 Summary of available measurement data. Glob. Biogeochem. Cycles, 16(4), art. no. 1058.
- 16 Bouwman, A.F., Boumans, L.J.M. and Batjes, N.H. 2002b. Modeling global annual N₂O and NO emissions from
- fertilised fields. Glob. Biogeochem. Cycles, 16(4), art. no. 1080.
- Brenner, J., K. Paustian, G. Bluhm, J. Cipra, M. Easter, R. Foulk, K. Killian, R. Moore, J. Schuler, P. Smith, and S.
- 19 Williams (2002) Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation
- 20 Practice Application in Nebraska. Colorado State University Natural Resource Ecology Laboratory and USDA
- 21 Natural Resources Conservation Service, Fort Collins, CO.
- Brenner, J., K. Paustian., G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, T. Koutza, K. Killian, J. Schuler, S. Williams
- 23 (2001) Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice
- 24 Application in Iowa. Final report to the Iowa Conservation Partnership. Colorado State University Natural
- 25 Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service, Fort
- 26 Collins, CO.
- 27 Brumme, R., Borken, W., and Finke, S., 1999. Hierarchical control on nitrous oxide emission in forest ecosystems.
- 28 Global Biochem. Cycles 13, 1137–1148.
- 29 Butterbach-Bahl, K., Gasche, R., Breuer, L., and Papen, H., 1997. Fluxes of NO and N₂O from temperate forest
- soils: impact of forest type, N deposition and of liming on the NO and N₂O emissions. Nutr. Cycl. Agroecosyst. 48,
- 31 79–90.
- 32 Carpenter, G.H. (1992) "Current Litter Practices and Future Needs." In: 1992 National Poultry Waste Management
- 33 Symposium Proceedings. Blake, J.P., Donald, J.O., and Patterson, P.H. (eds.), pp. 268-273, Auburn University
- 34 Printing Service, Auburn, AL.
- 35 Chilcott E.C. (1910) A Study of Cultivation Methods and Crop Rotations for the Great Plains Area. U.S.
- 36 Department of Agriculture Bureau of Plant Industry Bulletin Number 187. Government Printing Office,
- 37 Washington, DC.
- Clough, T., Bertram, J.E., Sherlock, R.R., Leonard, R.L., and Nowicki, B.L., 2006. Comparison of measured and
- 39 EF5-r-derived N2O fluxes from a spring-fed river. Glob. Change Biol. 12, 477-488.
- 40 Corre, M.D., Pennock, D.J., Kessel, C. van., and Elliott, D.K., 1999. Estimation of annual nitrous oxide emissions

- from a transitional grassland-forest region in Saskatchewan, Canada. Biogeochem. 44, 29–49.
- 2 CTIC (1998) 1998 Crop Residue Management Executive Summary. Conservation Technology Information Center.
- 3 Data available online at http://www.ctic.purdue.edu/Core4/CT/CT.html>.
- 4 Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris (1998) "Development of high-
- 5 quality spatial datasets for the United States." in: Proc., 1st International Conference on Geospatial Information in
- 6 Agriculture and Forestry, Lake Buena Vista, FL. June 1-3, 1998, pp.I-512-I-519.
- 7 Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A statistical-topographic model for mapping climatological
- 8 precipitation over mountainous terrain." *Journal of Applied Meteorology*, 33:140-158.
- 9 DAYMET (No date) Daily Surface Weather and Climatological Summaries. Numerical Terradynamic Simulation
- 10 Group (NTSG), University of Montana. Available online at http://www.daymet.org.
- Deal, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter B. Deal, Rangeland
- 12 Management Specialist, Florida Natural Resource Conservation Service, 21 June.
- de Klein C.A.M. 2004. Review of the N₂O emission factor for excreta deposited by grazing animals (EF_{3PRP}). Paper
- prepared as part of the 2006 Revised Guidelines for Greenhouse Gas Inventories of IPCC.
- Del Grosso S.J., S.M. Ogle, F.J. Breidt (in prep.) "Uncertainty in estimating nitrous oxide emissions from cropped
- and grazed soils in the USA." Manuscript in preparation.
- 17 Del Grosso, S.J., A.R. Mosier, W.J. Parton and D.S. Ojima (2005) "DAYCENT Model Analysis of Past and
- 18 Contemporary Soil N₂O and Net Greenhouse Gas Flux for Major Crops in the USA." Soil Tillage and Research, 83:
- 19 9-24. doi: 10.1016/j.still.2005.02.007.
- 20 Del Grosso, S.J., W.J. Parton, A.R. Mosier, M.D. Hartman, J. Brenner, D.S. Ojima, D.S. Schimel (2001) "Simulated
- 21 Interaction of Carbon Dynamics and Nitrogen Trace Gas Fluxes Using the DAYCENT Model." In: Schaffer, M., L.
- 22 Ma, S. Hansen, (Eds.), Modeling Carbon and Nitrogen Dynamics for Soil Management. CRC Press, Boca Raton,
- 23 Florida, pp. 303-332.
- 24 Denier van der Gon, H., and Bleeker A. 2005. Indirect N₂O emission due to atmospheric N deposition for the
- Netherlands. Atmos. Environ. 39, 5827-5838.
- 26 Dong, L.F., Nedwell, D.B., Colbeck, I., and Finch, J. 2004. Nitrous oxide emission from some English and Welsh
- 27 rivers and estuaries. Water Air Soil Pollution: Focus 4, 127-134.
- 28 Edmonds, L., N. Gollehon, R.L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt,
- and J. Schaeffer (2003) "Costs Associated with Development and Implementation of Comprehensive Nutrient
- 30 Management Plans." Part 1. Nutrient Management, Land Treatment, Manure and Wastewater Handling and
- 31 Storage, and Recordkeeping. Natural Resource Conservation Service, U.S. Department of Agriculture.
- 32 Elliott F.F. (1933) Types of Farming in the United States. U.S. Department of Commerce. Government Printing
- 33 Office, Washington, DC.
- 34 Elliott F.F. and J.W. Tapp (1928) Types of Farming in North Dakota. U.S. Department of Agriculture Technical
- 35 Bulletin Number 102.
- 36 Ellsworth J.O. (1929) Types of Farming in Oklahoma. Agricultural Experiment Station Bulletin Number 181.
- 37 Oklahoma Agricultural and Mechanical College.
- Engle, R.H., and B.R. Makela (1947) "Where is All the Fertilizer Going?" *The Fertilizer Review*. The National

- 1 Fertilizer Association, Vol. XXII, 6:7-10.
- 2 EPA (2003) Clean Watersheds Needs Survey 2000—Report to Congress, U.S. Environmental Protection Agency,
- 3 Washington, DC. Available online at http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm.
- 4 EPA (2002) Cost Methodology for the Final Revisions to the National Pollutant Discharge Elimination System
- 5 Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations. EPA-821-R-03-004.
- 6 December.
- 7 EPA (1999) Biosolids Generation, Use and Disposal in the United States. Office of Solid Waste, U.S.
- 8 Environmental Protection Agency. Available online at http://biosolids.policy.net/relatives/18941.PDF>.
- 9 EPA (1997) 1996 Clean Watersheds Needs Survey Report to Congress—Assessment of Needs for Publicly Owned
- Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and management of Storm Water and
- 11 Nonpoint Source Pollution in the United States, U.S. Environmental Protection Agency, Washington, DC.
- Available online at http://www.epa.gov/owm/mtb/cwns/1996rtc/toc.htm.
- 13 EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S.
- Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.
- 15 EPA (1992) Global Methane Emissions from Livestock and Poultry Manure, U.S. Environmental Protection
- 16 Agency, Office of Air and Radiation, February.
- 17 ERG (2003) Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory.
- 18 Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG. September 26, 2003.
- 19 ERS (2003) Ag Chemical and Production Technology. Economic Research Service, U.S. Department of
- Agriculture.
- 21 ERS (2002) Economic Research Service. U.S. Department of Agriculture. Available online at
- 22 .
- 23 ERS (1997) Cropping Practices Survey Data—1995. Economic Research Service, United States Department of
- 24 Agriculture. Available online at: http://www.ers.usda.gov/data/archive/93018/>.
- 25 ERS (1994) Fertilizer Use and Price Statistics. Stock #86012. Economic Research Service, U.S. Department of
- Agriculture.
- 27 ERS (1988) Agricultural Resources—Inputs Situation and Outlook Report. AR-9. Economic Research Service.
- 28 USDA.
- Eve, M. (2001) E-mail from Marlen Eve of the Natural Resources Ecology Laboratory to Barbara Braatz and Caren
- 30 Mintz of ICF Consulting, containing statistics on U.S. organic soil areas cultivated in 1982, 1992, and 1997, which
- 31 were extracted from the 1997 National Resources Inventory, September 21, 2001.
- 32 FAO (2006) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United
- Nations database. Available online at http://apps.fao.org.
- Fraps G.S., and S.E. Asbury (1931) Commercial Fertilizers in 1930-1931 and Their Uses. Agricultural Experiment
- 35 Station Bulletin Number 434. Agricultural and Mechanical College of Texas.
- 36 Hardies E.W., and A.N. Hume (1927) Wheat in South Dakota. Agronomy Department Bulletin Number 222.
- 37 Agricultural Experiment Station, South Dakota State College of Agriculture and Mechanical Arts, Brookings, SD.

- Garey L.F. (1929) Types of Farming in Minnesota. Agricultural Experiment Station Bulletin Number 257.
- 2 University of Minnesota, St. Paul, MN.
- 3 Grant, W. R., and R. D. Krenz (1985) U. S. grain sorghum production practices and costs. Staff Report No. AGES
- 4 851024. National Economics Division, Economics Research Service, USDA.
- 5 Hargreaves M.W.M. (1993) Dry Farming in the Northern Great Plains: Years of Readjustment, 1920-1990.
- 6 University Press of Kansas, Lawrence, KS.
- 7 Hiscock, K.M., Bateman, A.S., Fukada, T., and Dennis, P.F. 2002. The concentration and distribution of
- 8 groundwater N₂O in the Chalk aquifer of eastern England. In: Van Ham, J., Baede, A.P.M., Guicherit, R. and
- 9 Williams-Jacobse, J.G.F.M. (eds.), Proc. 3rd Internat. Symp. Non-CO₂ Greenhouse Gases, Maastricht, The
- 10 Netherlands, 185-190.
- Hiscock, K.M., Bateman, A.S., Muhlherr, I.H., Fukada, T., and Dennis, P.F. 2003. Indirect emissions of nitrous
- oxide from regional aquifers in the United Kingdom. Environ. Sci. Technol. 37, 3507-3512.
- Hodges J.A., F.F. Elliott, and W.E. Grimes (1930) Types of Farming in Kansas. Agricultural Experiment Station
- Bulletin Number 251. Kansas State Agricultural College, Manhattan, KS.
- 15 Holmes C.L. (1929) Types of Farming in Iowa. Agricultural Experiment Station Bulletin Number 259. Iowa State
- 16 College of Agriculture and Mechanic Arts. Ames, IA.
- Holmes G.K. (1902) "Practices in Crop Rotation." Yearbook of the Department of Agriculture, pp 519-532.
- 18 Hurd E.B. (1929) The Corn Enterprise in Iowa. Agricultural Experiment Station Bulletin Number 268. Iowa State
- 19 College of Agriculture and Mechanic Arts. Ames, IA.
- 20 Hurd E.B. (1930) Cropping Systems in Iowa Past and Present. Agricultural Experiment Station Bulletin Number
- 21 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.
- Hurt, R.D. (1994) American Agriculture: A Brief History. Iowa State University Press, Ames, IA.
- 23 Ibach, D.B. and J.R. Adams (1967) Fertilizer Use in the United States by Crops and Areas, 1964 Estimates.
- 24 Statistical Bulletin Number 408. U.S. Department of Agriculture.
- 25 Ibach, D.B., J.R. Adams, and E.I. Fox (1964) Commercial Fertilizer used on Crops and Pasture in the United
- 26 States, 1959 Estimates. U.S. Department of Agriculture Statistical Bulletin Number 348.
- 27 Iowa State College Staff Members (1946) A Century of Farming in Iowa 1846-1946. The Iowa State College Press,
- Ames, IA.
- 29 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 31 Published: IGES, Japan.
- 32 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others,
- 33 editors. IPCC National Greenhouse Gas Inventories Programme. Available online at http://www.ipcc-programme.
- 34 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>, August 13, 2004.
- 35 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 36 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 37 XVI/Doc. 10 (1.IV.2000). May.
- 38 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:

- 1 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 2 Co-Operation and Development, International Energy Agency.
- 3 Johnson, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Dan Johnson, State Water
- 4 Management Engineer, California Natural Resource Conservation Service, June 23, 2000.
- 5 Kellogg R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) Manure Nutrients Relative to Capacity of
- 6 Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States. U.S.
- 7 Department of Agriculture Publication Number nps00-0579.
- 8 Kezer A. (ca 1917) Dry Farming in Colorado. Colorado State Board of Immigration. Denver.
- 9 Klemedtsson, L., Kasimir Klemedtsson, A., Escala, M. and Kulmala, A. 1999. Inventory of N₂O emission from
- farmed European peatlands. In: Freibauer, A. and Kaltschmitt, M. (eds.), Approaches to Greenhouse Gas
- 11 Inventories of Biogenic Sources in Agriculture, Proc. Workshop at Lökeberg, Sweden, 9-10 July 1998, pp. 79-91.
- 12 Kuchler, AW. (1964) The Potential Natural Vegetation of the Conterminous United States. Amer. Geographical
- 13 Soc. NY, Special Publication No. 36.
- Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician,
- 15 U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, May 8, 2000.
- Langston C.W., L.M. Davis, C.A. Juve, O.C. Stine, A.E. Wight, A.J. Pistor, and C.F. Langworthy (1922) "The
- 17 Dairy Industry." Yearbook of the Department of Agriculture.
- Larson, C. W., L. M. Davis, C. A. Juve, O. C. Stine, A. E. Wight, A. J. Pistor, and C. F. Langworthy. 1922. The
- 19 Dairy Industry Yearbook of the Department of Agriculture.
- 20 Latta W.C. (1938) Outline History of Indiana Agriculture. Alpha Lambda Chapter of Epsilon Sigma Phi, Purdue
- 21 University, Publishers.
- 22 McCarl, B.A., C.C. Chang, J.D. Atwood, W.I. Nayda (1993) Documentation of ASM: The U.S. Agricultural Sector
- 23 Model, Technical Report TR-93. Agricultural Experimental Station, College Station, Texas.
- 24 Metcalf and Eddy, Inc. (1991) Wastewater Engineering: Treatment, Disposal, and Reuse, Third Edition, McGraw-
- 25 Hill Publishing Company, NY, p. 772.
- 26 Miller, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Paul Miller, Iowa Natural Resource
- 27 Conservation Service, June 12, 2000.
- 28 Milton, B. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Bob Milton, Chief of Livestock
- 29 Branch, U.S. Department of Agriculture, National Agriculture Statistics Service, May 1, 2000.
- 30 Mosier, A.R. (2004) E-mail correspondence between Arvin Mosier of Agricultural Research Service, USDA and
- 31 Stephen Del Grosso of Natural Resource Ecology Laboratory, Colorado State University, regarding the uncertainty
- in estimates of N application rates for specific crops (+/-20), September 20, 2004.
- NASS (2004) Agricultural Chemical Usage: 2003 Field Crops Summary. Report AgCh1(04)a. National
- 35 bb/agcs0504.pdf>.
- 36 NASS (1999) Agricultural Chemical Usage: 1998 Field Crops Summary. Report AgCH1(99). National Agricultural
- 37 Statistics Service, USDA. Available online at: http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-
- 38 bb/agch0599.pdf>.

- 1 NASS (1992) Agricultural Chemical Usage: 1991 Field Crops Summary. Report AgCh1(92). National Agricultural
- 2 Statistics Service, USDA. Available online at: http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-
- 3 bb/agch0392.txt>.
- 4 NFA (1946) Charting the Fertilizer Course: Results of NFA's Third Practice Survey. National Fertilizer
- 5 Association. The Fertilizer Review. Vol. XXI, 2: 7-13.
- 6 Novoa, R. and Tejeda, H.R. 2006. Evaluation of the N₂O emissions from N in plant residues as affected by
- 7 environmental and management factors. Nutr. Cycl. Agroecosyst. (in press; available on-line).
- 8 NRAES. (1992) On-Farm Composting Handbook (NRAES-54). Natural Resource, Agriculture, and Engineering
- 9 Service. Available online at: http://compost.css.cornell.edu/OnFarmHandbook/onfarm_TOC.html.
- NRIAI (2003) Regional Budget and Cost Information. Natural Resources Inventory and Analysis Institute. Natural
- 11 Resources Conservation Service. U.S. Department of Agriculture.
- 12 Ogle, S. (2002) E-mail from Stephen Ogle of the Natural Resources Ecology Laboratory to Barbara Braatz of ICF
- 13 Consulting, containing revised statistics on U.S. histosol areas cultivated in 1982, 1992, and 1997, which were
- extracted from the 1997 National Resources Inventory by Marlen Eve, January 9, 2002.
- 15 Ogle, S.M., F.J. Breidt, M. Easter, S. Williams and K. Paustian. (2007) "Empirically-Based Uncertainty Associated
- with Modeling Carbon Sequestration Rates in Soils." *Ecological Modeling*, accepted for publication, but not yet
- 17 published.
- 18 Parton, W.J., M.D. Hartman, D.S. Ojima, D.S. Schimel (1998) "DAYCENT: Its Land Surface Submodel:
- 19 Description and Testing". *Glob. Planet. Chang.* 19: 35-48.
- 20 Piper C.V., R.A. Oakley, H.N. Vinall, A.J. Pieters, W.J. Morse, W.J. Spillman, O.C. Stine, J.S. Cotton., G.A.
- 21 Collier, M.R Cooper, E.C. Parker, E.W. Sheets, and A.T. Semple (1924) "Hay." Yearbook of the Department of
- 22 *Agriculture*, pp 285-376.
- 23 Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) Documenting the Status
- 24 of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary
- 25 Programs. Staff Paper, Dept. of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca,
- NY, September.
- 27 Reay, D.S., Smith, K.A. and Edwards, A.C. 2004. Nitrous oxide in agricultural drainage waters following field
- fertilisation. Water Air Soil Pollution: Focus, 4, 437-451.
- 29 Reay, D., Smith, K.A., Edwards, A.C., Hiscock, K.M., Dong, L.F., and Nedwell, D. 2005. Indirect nitrous oxide
- emissions: revised emission factors. Environ. Sciences, 2, 153-158.
- Rochette, P., Angers, D.A., Belanger, G., Chantigny, M.H., Prevost, D., Levesque, G., (2004) "Emissions of N₂O
- 32 from alfalfa and soybean crops in eastern Canada." Soil Sci. Soc. Am. J. 68, 493-506.
- Ross W.H. and A.L. Mehring (1938) "Mixed Fertilizers." In Soils and Men. Agricultural Yearbook 1938. U.S.
- 34 Department of Agriculture.
- Russell E.Z., S.S. Buckley, C.E. Baker, C.E. Gibbons, R.H. Wilcox, H.W. Hawthorne, S.W. Mendum, O.C. Stine,
- 36 G.K. Holmes, A.V. Swarthout, W.B. Bell, G.S. Jamieson, C.W. Warburton, and C.F. Langworthy (1922) Hog
- 37 Production and Marketing. Yearbook of the U.S. Department of Agriculture.
- Safley, L.M. (2000) Telephone conversation between Deb Bartram of ERG and L.M. Safley, President, Agri-Waste
- 39 Technology, June.

- 1 Safley, L.M., M.E. Casada, J.W. Woodbury, and J.F. Roos (1992) Global Methane Emissions from Livestock and
- 2 Poultry Manure. EPA/400/1-91/048, Office of Air and Radiation, U.S. Environmental Protection Agency.
- 3 February.
- 4 Sawamoto, T., Nakajima, Y., Kasuya, M., Tsuruta, H., and Yagi, K. 2005. Evaluation of emission factors for
- 5 indirect N2O emission due to nitrogen leaching in agro-ecosystems. Geophys. Res. Lett. 32(3),
- 6 doi:10.1029/2004GL021625.
- 7 Saxton, K.E., W.J. Rawls, J.S. Romberger, R.I. Papendick (1986) "Estimating Generalized Soil-Water
- 8 Characteristics From Texture." *Soil Sci. Soc. Am. J.* 50: 1031-1036.
- 9 Skinner, J.J. (1931) Fertilizers for Cotton Soils. Miscellaneous Publication Number 126. U.S. Department of
- 10 Agriculture.
- 11 Smalley, H.R., R.H. Engle, and H. Willett (1939) American Fertilizer Practices: Second Survey. The National
- 12 Fertilizer Association.
- 13 Smith C.B. (1911) *Rotations in the Corn Belt.* Yearbook of the Department of Agriculture, pp.325-336.
- Smith, P., J. Brenner, K. Paustian, G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, K. Killian, D. Lamm, J. Schuler, and
- 15 S. Williams (2002) Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation
- 16 Practice Application in Indiana. Final Report to the Indiana Conservation Partnership, Colorado State University
- 17 Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service,
- 18 Fort Collins, CO, USA
- 19 Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. 2005. State
- 20 Soil Geographic (STATSGO) Database for State. Available online at
- 21 http://www.ncgc.nrcs.usda.gov/products/datasets/statsgo/index.html>.
- 22 Spillman W.J. (1908) Types of Farming in the United States. Yearbook of the Department of Agriculture, pp. 351-
- 23 366.
- 24 Spillman W.J. (1907) Cropping Systems for Stock Farms. Yearbook of the Department of Agriculture, pp. 385-398.
- 25 Spillman W.J. (1905) Diversified Farming in the Cotton Belt. Yearbook of the Department of Agriculture, pp. 193-
- 26 218.
- 27 Spillman W.J. (1902) Systems of Farm Management in the United States. Yearbook of the Department of
- 28 Agriculture, pp. 343-364.
- 29 Stehfest, E. and Bouwman, A.F. 2006. N₂O and NO emission from agricultural fields and soils under natural
- vegetation: summarising available measurement data and modelling of global annual emissions. Nutr. Cycl.
- 31 Agroecosyst., (in press; available on-line).
- 32 Stettler, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Don Stettler, Environmental
- 33 Engineer, National Climate Center, Oregon Natural Resource Conservation Service, June 27, 2000.
- 34 Sweeten, J. (2000) Telephone conversation between Indra Mitra of ERG and John Sweeten, Texas A&M
- 35 University, June.
- 36 Taylor, H.H. (1994) Fertilizer Use and Price Statistics: 1960-93. Resources and Technology Division, Economic
- Research Service, U.S. Department of Agriculture, Statistical Bulletin Number 893.
- Thornton, P.E., H. Hasenauer, and M.A. White (2000) "Simultaneous Estimation of Daily Solar Radiation and

- 1 Humidity from Observed Temperature and Precipitation: An Application Over Complex Terrain in Austria."
- 2 Agricultural and Forest Meteorology 104: 255-271.
- 3 Thornton, P.E. and S.W. Running (1999) "An Improved Algorithm for Estimating Incident Daily Solar Radiation
- 4 from Measurements of Temperature, Humidity, and Precipitation." Agriculture and Forest Meteorology. 93: 211-
- 5 228.
- 6 Thornton, P.E., S.W. Running, and M.A. White (1997) "Generating Surfaces of Daily Meteorology Variables Over
- 7 Large Regions of Complex Terrain." *Journal of Hydrology.* 190: 214-251.
- 8 TVA (1991) Commercial Fertilizers 1991. Tennessee Valley Authority, Muscle Shoals, AL.
- 9 TVA (1992a) Commercial Fertilizers 1992. Tennessee Valley Authority, Muscle Shoals, AL.
- 10 TVA (1992b) Fertilizer Summary Data 1992. Tennessee Valley Authority, Muscle Shoals, AL.
- 11 TVA (1993) Commercial Fertilizers 1993. Tennessee Valley Authority, Muscle Shoals, AL.
- 12 TVA (1994) Commercial Fertilizers 1994. Tennessee Valley Authority, Muscle Shoals, AL.
- 13 USDA (2006a) Agriculture Statistics 2006. National Agriculture Statistics Service, U.S. Department of Agriculture,
- 14 Washington, DC.
- 15 USDA (2006b) Crop Production 2005 Summary. National Agricultural Statistics Service, U.S. Department of
- 16 Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu.
- 17 USDA (2005a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 18 January 28, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm>.
- 19 USDA (2005b) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 21, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm.
- 21 USDA (2005c) Hogs and Pigs, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. March 24, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm.
- 23 USDA (2005d) Chicken and Eggs Annual Summary, U.S. Department of Agriculture, National Agriculture
- 24 Statistics Service, Washington, DC. February 2005. Data also available from
- 25 http://www.usda.gov/nass/pubs/estindx1.htm.
- 26 USDA (2005e) Poultry Production and Value Annual Summary, U.S. Department of Agriculture, National
- 27 Agriculture Statistics Service, Washington, DC. April 28, 2005. Data also available from
- 28 http://www.usda.gov/nass/pubs/estindx1.htm.
- 29 USDA (2005f) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 28, 2005. Data also available from http://www.usda.gov/nass/pubs/reportname.htm.
- USDA (2005g) 1992, 1997, and 2002 Census of Agriculture, U.S. Department of Agriculture, National Agriculture
- 32 Statistics Service, Washington, DC. Data available from http://www.nass.usda.gov/census/>.
- 33 USDA (2005h) Agriculture Statistics 2005. National Agricultural Statistics Service, U.S. Department of
- 34 Agriculture. Available online at <ftp://www.nass.usda.gov/pub/nass/county/byyear/> or
- 35 http://www.usda.gov/nass/pubs/agstats.htm.
- 36 USDA (2005i) Crop Production 2004 Summary. National Agricultural Statistics Service, U.S. Department of

- 1 Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu.
- 2 USDA (2004a) Cattle—Final Estimates 1999-2003, U.S. Department of Agriculture, National Agriculture Statistics
- 3 Service, Washington, DC. April. Data also available from http://usda.mannlib.cornell.edu/reports/general/sb/>.
- 4 USDA (2004b) Hogs and Pigs—Final Estimates 1998-2002, U.S. Department of Agriculture, National Agriculture
- 5 Statistics Service, Washington, DC. March. Data also available from
- 6 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 7 USDA (2004c) Chicken and Eggs—Final Estimates 1998-2003, U.S. Department of Agriculture, National
- 8 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 9 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 10 USDA (2004d) Poultry Production and Value—Final Estimates 1998-2002, U.S. Department of Agriculture,
- 11 National Agriculture Statistics Service, Washington, DC. April. Data also available from
- 12 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 13 USDA (2004e) Sheep and Goats—Final Estimates 1999-2003, U.S. Department of Agriculture, National
- 14 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 15 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 16 USDA (2004f) Statistics on county level total crop area data for 1990-2003, extracted from the Agricultural
- 17 Statistics Database, U.S. Department of Agriculture National Agricultural Statistics Service. Available online at
- 18 http://www.nass.usda.gov:81/ipedb/>.
- 19 USDA (2003) Crop Production 2002 Summary. National Agricultural Statistics Service, U.S. Department of
- 20 Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu. Accessed May 2003.
- 21 USDA (2000a) Cattle on Feed, National Agriculture Statistics Service, U.S. Department of Agriculture,
- Washington, DC. April 14, 2000. Data also available online at http://www.nass.usda.gov:81/ipedb/.
- 23 USDA (2000b) 1997 National Resources Inventory. U.S. Department of Agriculture, Natural Resources
- 24 Conservation Service, Washington, DC. Available online at http://www.nrcs.usda.gov/technical/NRI/>.
- 25 USDA (2000c) Agricultural Statistics 2000. National Agricultural Statistics Service, U.S. Department of
- Agriculture. Available online at http://www.usda.gov/nass/pubs/agstats.htm.
- 27 USDA (1999a) Cattle—Final Estimates 1994-98, National Agriculture Statistics Service, U.S. Department of
- Agriculture, Washington, DC. January. Data also available online at http://www.nass.usda.gov:81/ipedb/.
- 29 USDA (1999b) Poultry Production and Value—Final Estimates 1994-97, National Agriculture Statistics Service,
- 30 U.S. Department of Agriculture, Washington, DC. March.
- 31 USDA (1999c) Sheep and Goats—Final Estimates 1994-1998, National Agriculture Statistics Service, U.S.
- 32 Department of Agriculture, Washington, DC. January.
- USDA (1998a) Chicken and Eggs—Final Estimates 1994-97, National Agriculture Statistics Service, U.S.
- 34 Department of Agriculture, Washington, DC. December.
- 35 USDA (1998b) Field Crops Final Estimates 1992-97. Statistical Bulletin Number 947a. National Agricultural
- 36 Statistics Service, U.S. Department of Agriculture, GPO, Washington, DC. Available online at
- 37 http://usda.mannlib.cornell.edu>. Accessed July 2001.
- 38 USDA (1998c) Hogs and Pigs—Final Estimates 1993-97, National Agriculture Statistics Service, U.S. Department

- of Agriculture, Washington, DC. December. Data also available online at http://www.nass.usda.gov:81/ipedb/.
- 2 USDA (1996) Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH), Part 651,
- 3 U.S. Department of Agriculture, Natural Resources Conservation Service. July.
- 4 USDA (1995a) Cattle—Final Estimates 1989-93, National Agriculture Statistics Service, U.S. Department of
- 5 Agriculture, Washington, DC. January. Data also available online at http://www.nass.usda.gov:81/ipedb/.
- 6 USDA (1995b) Poultry Production and Value—Final Estimates 1989-1993, National Agriculture Statistics Service,
- 7 U.S. Department of Agriculture, Washington, DC.
- 8 USDA (1994a) Field Crops: Final Estimates, 1987-1992. Statistical Bulletin Number 896. National Agriculture
- 9 Statistics Service, U.S. Department of Agriculture, GPO, Washington, DC. Available online at
- 10 http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt.
- 11 USDA (1994b) Hogs and Pigs—Final Estimates 1988-92, National Agriculture Statistics Service, U.S. Department
- of Agriculture, Washington, DC. December. Data also available online at http://www.nass.usda.gov:81/ipedb/.
- 13 USDA (1994c) Sheep and Goats—Final Estimates 1989-1993, National Agriculture Statistics Service, U.S.
- 14 Department of Agriculture, Washington, DC. January.
- 15 USDA. (1966) Consumption of Commercial Fertilizers and Primary Plant Nutrients in the United States, 1850-
- 16 1964 and By States, 1945-1964. Statistical Reporting Service. Statistical Bulletin Number 375. U.S. Department
- of Agriculture.
- 18 USDA. (1957) Fertilizer Used on Crops and Pastures in the United States—1954 Estimates. Agricultural Research
- 19 Service Statistical Bulletin Number 216. U.S. Department of Agriculture.
- 20 USDA. (1954) Fertilizer Use and Crop Yields in the United States. The Fertilizer Work Group. Agricultural
- 21 Handbook Number 68. U.S. Department of Agriculture.
- 22 USDA. (1946) Fertilizers and Lime in the United States. Miscellaneous Publication Number 586. U.S. Department
- of Agriculture.
- VEMAP (1995) Members (J.M. Melillo, J. Borchers, J. Chaney, H. Fisher, S. Fox, A. Haxeltine, A. Janetos, D.W.
- 25 Kicklighter, T.G.F. Kittel, A.D. McGuire, R. McKeown, R. Neilson, R. Nemani, D.S. Ojima, T. Painter, Y. Pan,
- W.J. Parton, L. Pierce, L. Pitelka, C. Prentice, B. Rizzo, N.A. Rosenbloom, S. Running, D.S. Schimel, S. Sitch, T.
- 27 Smith, I. Woodward). "Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing Biogeography
- 28 and Biogeochemistry Models in a Continental-Scale Study of Terrestrial Ecosystem Responses to Climate Change
- and CO₂ Doubling." Global Biogeochemical Cycles 9: 407-437.
- Vogelmann, J.E., S.M. Howard, L. Yang, C. R. Larson, B. K. Wylie, and J. N. Van Driel (2001) "Completion of the
- 31 1990's National Land Cover Data Set for the conterminous United States." *Photogrammetric Engineering and*
- 32 *Remote Sensing* 67:650-662.
- Warren J.A. (1911) Agriculture in the Central Part of the Semiarid Portion of the Great Plains. U.S. Department of
- 34 Agriculture Bureau of Plant Industry Bulletin Number 215.
- Williams, S.A. 2006. From an unpublished manuscript and data compiled for the Consortium for Agricultural Soils
- 36 Mitigation of Greenhouse Gases (CASMGS). Natural Resource Ecology Laboratory, Colorado State University.
- 37 Williams-Jacobse, J.G.F.M. (ed.), 2002. Proceedings 3rd International Symposium Non-CO₂ Greenhouse Gases,
- 38 Maastricht, The Netherlands, 185-190.

- Wright, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter Wright, Cornell University,
- 2 College of Agriculture and Life Sciences, June 23, 2000.

3 Field Burning of Agricultural Residues

- 4 Anonymous (2006) Telephone conversation with Lauren Flinn of ICF International, August 11, 2006.
- 5 Barnard, G., and L. Kristoferson (1985) Agricultural Residues as Fuel in the Third World. Earthscan Energy
- 6 Information Programme and the Beijer Institute of the Royal Swedish Academy of Sciences. London, England.
- 7 Bollich, P. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Pat Bollich, Professor
- 8 with Louisiana State University Agriculture Center, May 17, 2000.
- 9 California Air Resources Board (2001) Progress Report on the Phase Down and the 1998-2000 Pause in the Phase
- 10 Down of Rice Straw Burning in the Sacramento Valley Air Basin, Proposed 2001 Report to the Legislature, June.
- 11 California Air Resources Board (1999) Progress Report on the Phase Down of Rice Straw Burning in the
- 12 Sacramento Valley Air Basin, Proposed 1999 Report to the Legislature, December.
- 13 Cantens, G. (2005) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to
- Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 2005.
- 15 Cantens, G. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to
- Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 30, 2004.
- 17 Cibrowski, P. (1996) Telephone conversation between Heike Mainhardt of ICF Incorporated and Peter Cibrowski,
- 18 Minnesota Pollution Control Agency, July 29, 1996.
- 19 Deren, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chris Deren, Everglades
- 20 Research and Education Centre at the University of Florida, August 15, 2002.
- 21 EPA (1994) International Anthropogenic Methane Emissions: Estimates for 1990, Report to Congress. EPA 230-
- 22 R-93-010. Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency. Washington, DC.
- 23 EPA (1992) Prescribed Burning Background Document and Technical Information Document for Prescribed
- 24 Burning Best Available Control Measures. EPA-450/2-92-003. Office of Air Quality Planning and Standards, U.S.
- 25 Environmental Protection Agency. Research Triangle Park, NC.
- 26 Fife, L. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Les Fife, President and
- 27 General Manager, Fife Environmental, June 9, 1999.
- 28 ILENR (1993) Illinois Inventory of Greenhouse Gas Emissions and Sinks: 1990. Office of Research and Planning,
- 29 Illinois Department of Energy and Natural Resources. Springfield, IL.
- 30 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 31 Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-
- 32 XVI/Doc. 10 (1.IV.2000). May.
- 33 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 34 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 35 Co-Operation and Development, International Energy Agency.
- Jenkins, B.M., S.Q. Turn, and R.B. Williams (1992) Atmospheric emissions from agricultural burning in California:
- 37 determination of burn fractions, distribution factors, and crop specific contributions. Agriculture, Ecosystems and

- 1 Environment 38:313-330.
- 2 Ketzis, J. (1999) Telephone conversation between Marco Alcaraz of ICF Consulting and Jen Ketzis of Cornell
- 3 University, June/July.
- 4 Kirstein, A. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Arthur Kirstein,
- 5 Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service,
- 6 Florida, June 30, 2004.
- 7 Kirstein, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arthur Kirstein,
- 8 Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service,
- 9 Florida, August 13, 2003.
- 10 Klosterboer, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- retired Extension Agronomist, Texas A&M University, July 7, 2003.
- 12 Klosterboer, A. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- Extension Agronomist, Texas A & M University, August 19, 2002.
- 14 Klosterboer, A. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer,
- Extension Agronomist, Texas A & M University, August 6, 2001.
- 16 Klosterboer, A. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer,
- 17 Extension Agronomist, Texas A & M University, May 18, 2000.
- 18 Klosterboer, A. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Arlen
- 19 Klosterboer, Extension Agronomist, Texas A & M University, June 10, 1999.
- 20 Klosterboer, A. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer,
- 21 Extension Agronomist, Texas A & M University, August 12, 1999.
- 22 Lancero, J. (2006). Email correspondence between Lauren Flinn of ICF International and Jeff Lancero, California
- 23 Air Resources Board, August 11, 2006.
- 24 Lee, D. (2006). Email correspondence between Lauren Flinn of ICF International and Danny Lee, OK Farm
- 25 Service Agency, July 13, 2006.
- Lee, D. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service
- Agency, Stillwater, OK. July and September.
- Lee, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service
- 29 Agency, Stillwater, OK, July 23, 2006.
- 30 Lee, D. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and
- Danny Lee, OK Farm Service Agency, Stillwater, OK. July 2, 2003.
- Lindberg, J. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Jeff Lindberg, California
- 33 Air Resources Board. July.
- Lindberg, J. (2004) Email correspondence between Lauren Flinn of ICF Consulting and Jeff Lindberg, California
- 35 Air Resources Board. June-July.
- Lindberg, J. (2003) Email correspondence between Caren Mintz of ICF Consulting and Jeff Lindberg, California
- 37 Air Resources Board. June-July.

- 1 Lindberg, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and
- 2 Jeff Lindberg, California Air Resources Board, September 12-13, 2002.
- 3 Linscombe, S. (2006). Email correspondence between Lauren Flinn of ICF International and Steve Linscombe,
- 4 Professor with the Rice Research Station at Louisiana State University Agriculture Center.
- 5 Slinscombe@agctr.lsu.edu, August 15, 2006.
- 6 Linscombe, S. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Steve Linscombe,
- 7 Professor with the Rice Research Station at Louisiana State University Agriculture Center. July 2005.
- 8 Linscombe, S. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Steve Linscombe,
- 9 Professor with the Rice Research Station at Louisiana State University Agriculture Center, June 23, 2004.
- Linscombe, S. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe,
- Professor with the Rice Research Station at Louisiana State University Agriculture Center, June 10, 2003.
- Linscombe, S. (2002) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe,
- 13 Research Agronomist, Louisiana State University Agricultural Center, August 21, 2002.
- Linscombe, S. (2001) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe,
- 15 Research Agronomist, Louisiana State University Agricultural Center, July 30 August 1, 2001.
- 16 Linscombe, S. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Steve
- 17 Linscombe, Research Agronomist, Louisiana State University Agricultural Center, June 3, 1999.
- Linscombe, S. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Steve Linscombe,
- 19 Research Agronomist, Louisiana State University Agricultural Center, August 9, 1999.
- Najita, T. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Theresa Najita, Air Pollution
- 21 Specialist, California Air Resources Board, July 31, 2001.
- Najita, T. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Theresa Najita, Air
- Pollution Specialist, California Air Resources Board, August 17, 2000.
- Noller, J. (1996) Telephone conversation between Heike Mainhardt of ICF Incorporated and John Noller, Missouri
- 25 Department of Natural Resources. 30 July.
- Oregon Department of Energy (1995) Report on Reducing Oregon's Greenhouse Gas Emissions: Appendix D
- 27 Inventory and Technical Discussion. Oregon Department of Energy. Salem, OR.
- 28 Sacramento Valley Basinwide Air Pollution Control Council (2005) Report on the Conditional Rice Straw Burning
- 29 Permit Program. May 25, 2005. Available online at http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm.
- 30 Schueneman, T. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman,
- Palm Beach County Agricultural Extension Agent, Florida. 30 July.
- 32 Schueneman, T. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Tom
- 33 Schueneman, Palm Beach County Agricultural Extension Agent, Florida. 7 June.
- 34 Schueneman, T. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman,
- 35 Palm Beach County Agricultural Extension Agent, Florida. 10 August.
- 36 Schueneman, T.J. and C.W. Deren (2002) "An Overview of the Florida Rice Industry" SS-AGR-77, Agronomy
- 37 Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of

- 1 Florida. Revised November 2002.
- 2 Stansel, J. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident
- 3 Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center. July.
- 4 Stansel, J. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident
- 5 Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center. 12 July.
- 6 Street, J. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist,
- 7 Mississippi State University, Delta Research Center. 19 June.
- 8 Street, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe
- 9 Street, Rice Specialist, Mississippi State University, Delta Research Center, August 19, 2002.
- 10 Street, J. (2001) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe
- Street, Rice Specialist, Mississippi State University, Delta Research Center. 1 August.
- 12 Strehler, A., and W. Stützle (1987) "Biomass Residues." In: Hall, D.O. and Overend, R.P. (eds.) Biomass. John
- Wiley and Sons, Ltd. Chichester, UK.
- 14 Turn, S.Q., B.M. Jenkins, J.C. Chow, L.C. Pritchett, D. Campbell, T. Cahill, and S.A. Whalen (1997) "Elemental
- 15 characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for
- herbaceous and wood fuels." *Journal of Geophysical Research* 102(D3):3683-3699.
- 17 University of California (1977) Emission Factors From Burning of Agricultural Waste Collected in California.
- 18 University of California, Davis.
- 19 USDA (2006) Crop Production 2005 Summary. National Agricultural Statistics Service, U.S. Department of
- 20 Agriculture. Available online at http://usda.mannlib.cornell.edu/>. Accessed July 2006.
- 21 USDA (2005) Crop Production 2004 Summary. National Agricultural Statistics Service, U.S. Department of
- Agriculture. Available online at http://usda.mannlib.cornell.edu/. Accessed June 2005.
- 23 USDA (2003) Field Crops, Final Estimates 1997-2002. Statistical Bulletin No. 982. National Agricultural
- 24 Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online
- at http://usda.mannlib.cornell.edu/usda/reports/general/sb/. Accessed September 2005.
- 26 USDA (1998) Field Crops, Final Estimates 1992-1997. Statistical Bulletin No. 947a. National Agricultural
- 27 Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online
- at http://usda.mannlib.cornell.edu/usda/reports/general/sb/b9471298.pdf.
- 29 USDA (1994) Field Crops, Final Estimates 1987-1992. Statistical Bulletin No. 896. National Agricultural
- 30 Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online
- at http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt.
- Walker, T. (2006). Telephone conversation between Lauren Flinn of ICF International and Tim Walker, Assistant
- Research Professor, Mississippi State University Delta Branch Exp. Station, 17 August.
- 34 Walker, T. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Tim Walker, Assistant
- 35 Research Professor, Mississippi State University Delta Branch Exp. Station. July.
- 36 Walker, T. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Tim Walker, Assistant
- Research Professor, Mississippi State University Delta Branch Exp. Station. July 12, 2004.

- 1 Wilson, C. (2006) Email coorespondence between Lauren Flinn of ICF International and Dr. Chuck Wilson, Rice
- 2 Specialist at the University of Arkansas Cooperative Extension Service. (870) 673-2661. Wilson@uamont.edu. 8
- 3 August.
- 4 Wilson, C. (2005) Email correspondence between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice
- 5 Specialist at the University of Arkansas Cooperative Extension Service. July 2005.
- 6 Wilson, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice
- 7 Specialist at the University of Arkansas Cooperative Extension Service. 23 June.
- 8 Wilson, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice
- 9 Specialist, University of Arkansas Cooperative Extension Service. 11 June.
- Wisconsin Department of Natural Resources (1993) Wisconsin Greenhouse Gas Emissions: Estimates for 1990.
- 11 Bureau of Air Management, Wisconsin Department of Natural Resources, Madison, WI.

12 Land Use, Land-Use Change, and Forestry

- 13 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others,
- 14 editors. IPCC National Greenhouse Gas Inventories Programme. Copy at http://www.ipcc-pdf
- nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>, August 13, 2004.

16 Forest Land Remaining Forest Land: Changes in Forest Carbon Stock

- 17 Barlaz, M.A. (1998) "Carbon storage during biodegradation of municipal solid waste components in laboratory-
- scale landfills." Global Biogeochemical Cycles 12 (2), 373-380.
- 19 Eleazer, W.E., W.S. Odle, III, Y.S. Wang, and M.A. Barlaz (1997) "Biodegradability of municipal solid waste
- components in laboratory-scale landfills." Env. Sci. Tech. 31(3):911-917.
- 21 EPA (2006) Municipal solid waste in the United States: 2005 Facts and figures. Office of Solid Waste (5306P)
- 22 EPA530-R-06-011. Washington, DC. 164 p. Available online at http://www.epa.gov/msw/msw99.htm.
- Freed, R. (2004) Open-dump and Landfill timeline spreadsheet (unpublished). ICF Consulting, Washington, DC.
- 24 Melosi, M. (1981): Garbage in The Cities; Refuse Reform and the Environment: 1880-1980, Texas A&M Press.
- 25 Melosi, M. (2000): The Sanitary City. Johns Hopkins University Press, Baltimore, MD.
- 26 Micales, J.A. and K.E. Skog (1997) The decomposition of forest products in landfills. International Biodeterioration
- 27 & Biodegradation. 39(2-3): 145-158.
- 28 AF&PA. 2006a (and earlier). Statistical roundup. (Monthly). Washington, DC: American Forest & Paper
- 29 Association.
- 30 AF&PA. 2006b (and earlier). Statistics of paper, paperboard and wood pulp. Washington, DC: American Forest &
- Paper Association. 86 p.
- 32 Amichev, B. Y. and J. M. Galbraith (2004) A Revised Methodology for Estimation of Forest Soil Carbon from
- 33 Spatial Soils and Forest Inventory Data Sets. *Environmental Management* 33, Supplement 1: S74-S86.
- 34 Birdsey, R.A., and L.S. Heath (1995) "Carbon Changes in U.S. Forests." In: Productivity of America's Forests and
- 35 Climate Change. Gen. Tech. Rep. RM-271. Rocky Mountain Forest and Range Experiment Station, Forest
- 36 Service, U.S. Department of Agriculture, Fort Collins, CO, pp. 56-70.

- Birdsey, R. (1996) "Carbon Storage for Major Forest Types and Regions in the Conterminous United States". Pages
- 2 1-26 and 261-379 (appendices 262 and 263) in R. N. Sampson and D. Hair, editors. Forest and Global Change,
- 3 Volume 2: Forest Management Opportunities for Mitigating Carbon Emissions. American Forests, Washington DC.
- 4 Birdsey, R., and L. S. Heath (2001) Forest Inventory Data, Models, and Assumptions for Monitoring Carbon Flux.
- 5 Pages 125-135 in Soil Carbon Sequestration and the Greenhouse Effect. Soil Science Society of America, Madison,
- 6 WI.
- 7 Birdsey, R. A., and G. M. Lewis (2003) Current and Historical Trends in Use, Management, and Disturbance of U.
- 8 S. Forestlands. Pages 15-34 in J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. The Potential of U.S.
- 9 Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect. CRC Press, New York.
- 10 EPA (2006) Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990–2004. EPA, Office of Atmospheric
- 11 Programs, Washington, DC, U. S. A.
- 12 Frayer, W.E., and G.M. Furnival (1999) "Forest Survey Sampling Designs: A History." *Journal of Forestry* 97(12):
- 13 4-10
- Gillespie, A.J.R. (1999) "Rationale for a National Annual Forest Inventory Program." *Journal of Forestry* 97(12):
- 15 16-20.
- 16 Hair. D. and Ulrich, A.H. (1963) The Demand and price situation for forest products 1963. USDA Forest Service,
- 17 Misc Publication No. 953. Washington, DC. 50 p.
- Hair, Dwight. (1958) Historical forestry statistics of the United States. Statistical Bull. 228. Washington, DC: U.S.
- 19 Department of Agriculture, Forest Service. 36 p.
- 20 Heath, L. S., and J.E. Smith (2000) "Soil Carbon Accounting and Assumptions for Forestry and Forest-related
- Land Use Change." In: The Impact of Climate Change on America's Forests. Joyce, L.A., and Birdsey, R.A. Gen.
- 22 Tech. Rep. RMRS-59. Rocky Mountain Research Station, Forest Service, U.S. Department of Agriculture, Fort
- 23 Collins, CO, pp. 89-101.
- Heath, L.S., J.E., Smith, and R.A. Birdsey (2003) Carbon Trends in U. S. Forestlands: A Context for the Role of
- 25 Soils in Forest Carbon Sequestration. Pages 35-45 in J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors.
- 26 The Potential of U. S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect. Lewis Publishers
- 27 (CRC Press), Boca Raton, FL.
- Heath, L.S., (2006a) E-mail correspondence between Linda Heath, USFS, and Kimberly Klunich, EPA regarding
- the 95 percent CI for forest area estimates (+/-0.24%) and average carbon density for Lower 48 States (+/-0.4%),
- 30 October 26.
- Heath, L.S., (2006b) E-mail correspondence between Linda Heath, USFS, and Kimberly Klunich, EPA regarding
- the 95 percent CI for average carbon density for Alaska (+/-1.2%), October 27.
- Howard, James L. (2003) U.S. timber production, trade, consumption, and price statistics 1965 to 2002. Res. Pap.
- FPL-RP-615. Madison, WI: USDA, Forest Service, Forest Products Laboratory. 90 p.
- 35 http://www.fpl.fs.fed.us/documnts/fplrp/fplrp615/fplrp615.pdf
- Howard, James L. (forthcoming) U.S. timber production, trade, consumption, and price statistics 1965 to 2005. Res.
- 37 Pap. FPL-RP-XXX. Madison, WI: USDA, Forest Service, Forest Products Laboratory.
- 38 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others,
- 39 editors. IPCC National Greenhouse Gas Inventories Programme. Available online at http://www.ipcc-programme.gas.nlm.gas.
- 40 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>, Accessed September 2005.

- 1 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 2 Greenhouse Gas Inventories Programme, Eggleston H.S., Buendia L., Miwa K., Ngara T. and Tanabe K. (eds).
- 3 Published: IGES, Japan.
- 4 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris:
- 5 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 6 Co-Operation and Development, International Energy Agency. Paris, France.
- 7 Jenkins, J.C., D.C. Chojnacky, L.S. Heath, and R.A. Birdsey (2003) "National-scale biomass estimators for United
- 8 States tree species." *Forest Science* 49(1):12-35.
- 9 Johnson, D. W., and P. S. Curtis (2001) Effects of Forest Management on Soil C and N Storage: Meta Analysis.
- 10 Forest Ecology and Management 140:227-238.
- Perry, C.H., C.W. Woodall, and M. Schoeneberger (2005) Inventorying trees in agricultural landscapes: towards an
- 12 accounting of "working trees". In: Brooks, K.N. and Ffolliott, P.F. (eds) Moving Agroforestry into the Mainstream.
- Proc. 9th N. Am. Agroforestry Conf., 12-15 June 2005, Rochester, MN [CD-ROM]. Dept. of Forest Resources,
- 14 Univ. Minnesota, St. Paul, MN, 12 p. Available online at http://cinram.umn.edu/afta2005/ (verified 23 Sept
- 15 2006).
- Phillips, D.L., S.L. Brown, P.E. Schroeder, and R.A. Birdsey (2000) Toward Error Analysis of Large-Scale Forest
- 17 Carbon Budgets. *Global Ecology and Biogeography* 9:305-313.
- 18 Skog, K.E., and G.A. Nicholson (1998) "Carbon Cycling Through Wood Products: The Role of Wood and Paper
- 19 Products in Carbon Sequestration." Forest Products Journal 48:75-83.
- 20 Skog, K.E., K. Pingoud, and J.E. Smith (2004) "A method countries can use to estimate changes in carbon stored in
- 21 harvested wood products and the uncertainty of such estimates." Environmental Management 33(Supplement
- 22 1):S65-S73.
- Skog, K. E. (in preparation) Sequestration of carbon in harvested wood products for the United States.
- 24 Smith, J.E., and L.S. Heath (2002) "A model of forest floor carbon mass for United States forest types." Res. Paper
- 25 NE-722. USDA Forest Service, Northeastern Research Station, Newtowne Square, PA.
- Smith, J. E., L. S. Heath, and J. C. Jenkins (2003) Forest Volume-to-Biomass Models and Estimates of Mass for
- 27 Live and Standing Dead Trees of U.S. Forests. General Technical Report NE-298, USDA Forest Service,
- Northeastern Research Station, Newtown Square, PA.
- 29 Smith, J. E., L. S. Heath, and P. B. Woodbury (2004 a) "How to estimate forest carbon for large areas from
- inventory data," Journal of Forestry 102:25-31.
- 31 Smith, W. B., P. D. Miles, J. S. Vissage, and S. A. Pugh (2004b) Forest Resources of the United States, 2002.
- 32 General Technical Report NC-241, USDA Forest Service, North Central Research Station, St. Paul, MN.
- Smith, James E., Linda S. Heath, and Michael C. Nichols. (In preparation). U.S. Forest Carbon Calculation Tool
- 34 User's Guide: Forestland Carbon Stocks and Net Annual Stock Change. Gen Tech Report, USDA Forest Service,
- 35 Northern Research Station.
- 36 Steer, Henry B. (1948) Lumber production in the United States. Misc. Pub. 669. Washington, DC: U.S. Department
- of Agriculture, Forest Service. 233 p.
- 38 Ulrich, Alice. (1985) U.S. timber production, trade, consumption, and price statistics 1950-1985. Misc. Pub. 1453.
- 39 Washington, DC; U.S. Department of Agriculture, Forest Service. 81 p.Ulrich, A.H. (1989) U.S. Timber
- 40 Production, Trade, Consumption, and Price Statistics, 1950-1987. USDA Miscellaneous Publication No. 1471,

- 1 U.S. Department of Agriculture, Forest Service, Washington, DC, pp. 77.
- 2 USDC Bureau of Census. (1976) Historical Statistics of the United States, colonial times to 1970. Volume 1.
- Washington, DC.
- 4 USDA Forest Service. (2006a) Forest inventory and analysis national program, FIA library. Available online at
- 5 http://www.fia.fs.fed.us/library/field-guides-methods-proc/. Accessed September 20, 2006.
- 6 USDA Forest Service. (2006b) Forest Inventory and Analysis Data Center. Available online at
- 7 http://ncrs2.fs.fed.us/4801/fiadb/. Accessed September 20, 2006.
- 8 USDA Forest Service. (2006c) FIA Data Mart: Download. Available online at
- 9 http://www.ncrs2.fs.fed.us/FIADatamart/fiadatamart.aspx. Click on documentation link to download Users Guide
- to the Forest Inventory Snapshot Database Version 2.1. Accessed September 20, 2006.
- 11 USDA (1991) State Soil Geographic (STATSGO) Data Base Data use information. Miscellaneous Publication
- Number 1492, USDA, Natural Resources Conservation Service, National Soil Survey Center, Fort Worth, TX.
- Woodbury, P.B., Heath, L.S., and Smith, J.E. (2006) Land Use Change Effects on Forest Carbon Cycling
- 14 Throughout the Southern United States. Journal of Environmental Quality. 35: 1348-1363.
- 15 Forest Land Remaining Forest Land: N₂O Fluxes from Soils
- Binkley, D. (2004) E-mail correspondence between Dan Binkley, Department of Forest, Rangeland, and Watershed
- 17 Stewardship, Colorado State University and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado
- 18 State University regarding the 95% CI for area estimates of southern pine plantations receiving N fertilizer (±20%)
- and the rate applied for areas receiving N fertilizer (100 to 200 pounds/acre), 19 September.
- 20 Binkley, D., R. Carter, and H.L. Allen (1995) Nitrogen Fertilization Practices in Forestry. In: Nitrogen Fertilization
- 21 in the Environment, P.E. Bacon (ed.), Marcel Decker, Inc., New York.
- 22 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 24 Published: IGES, Japan.
- North Carolina State Forest Nutrition Cooperative (2002) 31st Annual Report. Available online at
- 26 http://www.ncsu.edu/ncsfnc. Accessed October 2004.
- 27 USDA Forest Service (2001) U.S. Forest Facts and Historical Trends. FS-696. Washington, DC: USDA Forest
- 28 Service 18p. Available online at http://www.fia.fs.fed.us/library/ForestFactsMetric.pdf>.
- 29 Cropland Remaining Cropland, Land Converted to Cropland, Grassland Remaining Grassland, and Land
- 30 Converted to Grassland: Changes in Agricultural Soil Carbon Stocks
- 31 Allmaras, R.R., H.H. Schomberg, C.L. Douglas, Jr., and T.H. Dao (2000) "Soil organic carbon sequestration
- 32 potential of adopting conservation tillage in U.S. croplands." *J Soil Water Conserv* 55:365–373.
- Armentano, T.V. and J.T.A. Verhoeven (1990) "Biogeochemical Cycles: Global." In: Wetlands and Shallow
- 34 Continental Water Bodies. Patten, B.C., et al. (eds.), pp. 281-311, SPB Academic Publishing, The Hague,
- 35 Netherlands, Volume I.
- 36 Barbarika, A. (2006) Conservation Reserve Program Summary and Enrollment Statistics 2005. U.S. Department
- of Agriculture, Farm Service Agency, Washington, D.C.

- 1 Brady, N.C. and R.R. Weil (1999) The Nature and Properties of Soils. Prentice Hall, Upper Saddle River, New
- 2 Jersey, pp. 881.
- 3 CTIC (1998) "1998 Crop Residue Management Executive Summary," Conservation Technology Information
- 4 Center, West Lafayette, Indiana.
- 5 Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A Statistical-Topographic Model for Mapping Climatological
- 6 Precipitation Over Mountainous Terrain." *Journal of Applied Meteorology* 33:140-158.
- 7 Edmonds, L., R. L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D. C. Moffitt, and J.
- 8 Schaefer. (2003) Costs associated with development and implementation of Comprehensive Nutrient Management
- 9 Plans. Part I—Nutrient management, land treatment, manure and wastewater handling and storage, and
- 10 recordkeeping. Natural Resources Conservation Service. U. S. Department of Agriculture. Available online at
- 11 http://www.nrcs.usda.gov/technical/land/pubs/cnmp1.html.
- 12 EPA (1999) Biosolids Generation, Use and Disposal in the United States. Office of Solid Waste, U.S.
- 13 Environmental Protection Agency. Available online at http://biosolids.policy.net/relatives/18941.PDF>.
- EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules, U.S.
- Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.
- 16 ERS. (1997) Cropping Practices Survey Data—1995. Economic Research Service, United States Department of
- 17 Agriculture. Available online at http://www.ers.usda.gov/data/archive/93018/>.
- 18 Euliss, N., and R. Gleason (2002) Wetland restoration factor estimates and restoration activity data compiled and
- 19 provided by Ned Euliss and Robert Gleason. USGS, Jamestown, North Dakota, to Stephen Ogle of the National
- 20 Resource Ecology Laboratory, Fort Collins, Colorado. August.
- 21 FAO (2006) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United
- Nations database. Available online at http://faostat.fao.org/. Accessed July 2006.
- 23 FSA (2006) Conservation Reserve Program: Summary and Enrollment Statistics 2005. US Department of
- 24 Agriculture, Farm Services Agency, Washington, D.C.
- 25 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 27 Published: IGES, Japan.
- 28 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. IPCC National Greenhouse
- 29 Gas Inventories Programme. Hayama, Kanagawa, Japan. Available online at http://www.ipcc-available.org/
- 30 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>.
- 31 IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Paris:
- 32 Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic
- 33 Co-Operation and Development, International Energy Agency. Paris, France.
- 34 Kellogg, R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) "Manure Nutrients Relative to the Capacity of
- 35 Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States." U.S.
- Department of Agriculture, Publication number nps00-0579, Washington, DC.
- Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician,
- 38 U. S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, May 8, 2000.
- 39 Metherell, A.K., L.A. Harding, C.V. Cole, and W.J. Parton (1993) "CENTURY Soil Organic Matter Model
- 40 Environment." Agroecosystem version 4.0. Technical documentation, GPSR Tech. Report No. 4, USDA/ARS, Ft.

- 1 Collins, CO.
- 2 NASS. (2004) Agricultural Chemical Usage: 2003 Field Crops Summary. Report AgCh1(04)a. National
- 3 Agricultural Statistics Service. USDA. Available online at <a href="http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-pouts/
- 4 bb/agcs0504.pdf>.
- 5 NASS (1999) Agricultural Chemical Usage: 1998 Field Crops Summary. Report AgCH1(99). National Agricultural
- 6 Statistics Service, USDA. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-
- 7 bb/agch0599.pdf>.
- 8 NASS (1992) Agricultural Chemical Usage: 1991 Field Crops Summary. Report AgCh1(92). National Agricultural
- 9 Statistics Service, USDA. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-
- 10 bb/agch0392.txt>.
- 11 NRCS (1999) "Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys, 2nd
- 12 Edition." Agricultural Handbook Number 436, USDA Natural Resources Conservation Service, Washington, DC.
- 13 NRCS (1997) "National Soil Survey Laboratory Characterization Data," Digital Data, USDA-NRCS, Lincoln, NE.
- NRCS (1981) "Land Resource Regions and Major Land Resource Areas of the United States," USDA Agriculture
- 15 Handbook 296, United States Department of Agriculture, Natural Resources Conservation Service, National Soil
- 16 Survey Center, Lincoln, NE, pp. 156.
- 17 Ogle, S., M. Eve, M. Sperrow, F.J. Breidt, and K. Paustian (2002) Agricultural Soil C Emissions, 1990-2001:
- Documentation to Accompany EPA Inventory Tables. Natural Resources Ecology Laboratory, Fort Collins, CO,
- 19 Provided in 23 September 2002 e-mail from S.M. Ogle to B.V. Braatz at ICF Consulting.
- 20 Ogle, S.M., M.D. Eve, F.J. Breidt, and K. Paustian (2003) "Uncertainty in estimating land use and management
- 21 impacts on soil organic carbon storage for U.S. agroecosystems between 1982 and 1997." Global Change Biology
- 22 9:1521-1542.
- 23 Ogle, S.M., F.J. Breidt, and K. Paustian. (2006) "Bias and variance in model results due to spatial scaling of
- 24 measurements for parameterization in regional assessments." Global Change Biology 12:516-523.
- 25 Ogle, S.M., F.J. Breidt, M. Easter, S. Williams and K. Paustian. (2007) "Empirically-Based Uncertainty Associated
- with Modeling Carbon Sequestration Rates in Soils." *Ecological Modeling*, accepted.
- 27 Parton, W.J., D.S. Schimel, C.V. Cole, D.S. Ojima (1987) "Analysis of factors controlling soil organic matter levels
- 28 in Great Plains grasslands." Soil Science Society of America Journal 51:1173-1179.
- 29 Parton, W.J., J.W.B. Stewart, C.V. Cole. (1988) "Dynamics of C, N, P, and S in grassland soils: a model."
- 30 Biogeochemistry 5:109-131.
- 31 Parton, W.J., D.S. Ojima, C.V. Cole, and D.S. Schimel (1994) "A General Model for Soil Organic Matter
- 32 Dynamics: Sensitivity to litter chemistry, texture and management." In: Quantitative Modeling of Soil Forming
- 33 Processes, Special Publication 39, pp. 147-167., Soil Science Society of America, Madison, WI.
- Potter, C. S., J.T. Randerson, C.B. Fields, P.A. Matson, P.M. Vitousek, H.A. Mooney, and S.A. Klooster. (1993)
- 35 Terrestrial ecosystem production: a process model based on global satellite and surface data. Global
- 36 Biogeochemical Cycles 7:811-841.
- 37 Reilly, J.M. and K.O. Fuglie. (1998) "Future yield growth in field crops: What evidence exists?" Soil Till Res
- 38 47:275–290.

- 1 Tepordei, V.V. (2006) "Crushed Stone," In: Minerals Yearbook 2004. U.S. Department of the Interior/U.S.
- 2 Geological Survey, Washington, DC. Available online at
- 3 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis>. Accessed August 2006.
- 4 Tepordei, V.V. (2005) "Crushed Stone," In: Minerals Yearbook 2003. U.S. Department of the Interior/U.S.
- 5 Geological Survey, Washington, DC. Available online at
- 6 http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2005.
- 7 Tepordei, V.V. (2004) "Crushed Stone," In: *Minerals Yearbook* 2002. U.S. Department of the Interior/U.S.
- 8 Geological Survey, Washington, DC. Available online at
- 9 http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2004.
- 10 Accessed August 2004.
- 11 Tepordei, V.V. (2003) "Crushed Stone," In: *Minerals Yearbook 2001*. U.S. Department of the Interior/U.S.
- Geological Survey, Washington, DC. Available online at
- 13 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis>. Accessed June 2003.
- Tepordei, V.V. (2002) "Crushed Stone," In: *Minerals Yearbook* 2000. U.S. Department of the Interior/U.S.
- 15 Geological Survey, Washington, DC. Available online at
- 16 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis >. Accessed September 2002.
- 17 Tepordei, V.V. (2001) "Crushed Stone," In: Minerals Yearbook 1999. U.S. Department of the Interior/U.S.
- 18 Geological Survey, Washington, DC. Available online at
- 19 http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2001.
- Tepordei, V.V. (2000) "Crushed Stone," In: *Minerals Yearbook 1998*. U.S. Department of the Interior/U.S.
- 21 Geological Survey, Washington, DC. Available online at
- 22 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis >. Accessed August 2000.
- Tepordei, V.V. (1999) "Crushed Stone," In: *Minerals Yearbook 1997*. U.S. Department of the Interior/U.S.
- 24 Geological Survey, Washington, DC. Available online at
- 25 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis >. Accessed August 2000.
- Tepordei, V.V. (1998) "Crushed Stone," In: *Minerals Yearbook 1996*. U.S. Department of the Interior/U.S.
- 27 Geological Survey, Washington, DC. Available online at
- 28 http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2000.
- 29 Tepordei, V.V. (1997) "Crushed Stone," In: Minerals Yearbook 1995. U.S. Department of the Interior/U.S.
- Geological Survey, Washington, DC, pp. 783-809, Available online at
- 31 http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>.
- 32 Tepordei, V.V. (1996) "Crushed Stone," In: Minerals Yearbook 1994. U.S. Department of the Interior/Bureau of
- 33 Mines, Washington, DC. Available online at
- 34 http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis >. Accessed August 2000.
- Tepordei, V.V. (1995) "Crushed Stone," In: *Minerals Yearbook 1993*. U.S. Department of the Interior/Bureau of
- 36 Mines, Washington, DC, pp. 1107–1147.
- 37 Tepordei, V. V. (1994) "Crushed Stone," In: Minerals Yearbook 1992. U.S. Department of the Interior/Bureau of
- 38 Mines, Washington, DC, pp. 1279-1303.
- 39 Tepordei, V.V. (1993) "Crushed Stone," In: *Minerals Yearbook 1991*. U.S. Department of the Interior/Bureau of
- 40 Mines, Washington, DC, pp. 1469-1511.
- 41 Towery, D. (2001) Adjustments to the CTIC (1998) tillage data to reflect long-term trends provided by Dan Towery

- 1 of the Conservation Technology Information Center, West Lafayette, Indiana, to Marlen Eve of the National
- 2 Resource Ecology Laboratory, Fort Collins, CO. February.
- 3 USDA (2005a) Cattle, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.
- 4 January 28, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm>.
- 5 USDA (2005b) Cattle on Feed, U.S. Department of Agriculture, National Agriculture Statistics Service,
- 6 Washington, DC. January 21, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm>.
- 7 USDA (2005c) Hogs and Pig, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington,
- 8 DC. March 24, 2005. Data also available from http://www.usda.gov/nass/pubs/estindx1.htm.
- 9 USDA (2005d) Chicken and Eggs Annual Summary, U.S. Department of Agriculture, National Agriculture
- 10 Statistics Service, Washington, DC. February 2005. Data also available from
- 11 http://www.usda.gov/nass/pubs/estindx1.htm.
- 12 USDA (2005e) Poultry Production and Value Annual Summary, U.S. Department of Agriculture, National
- 13 Agriculture Statistics Service, Washington, DC. April 28, 2005. Data also available from
- 14 http://www.usda.gov/nass/pubs/estindx1.htm.
- 15 USDA (2005f) Sheep and Goats, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. January 28, 2005. Data also available from http://www.usda.gov/nass/pubs/reportname.htm.
- 17 USDA (2005g) Census of Agriculture, U.S. Department of Agriculture, National Agriculture Statistics Service,
- Washington, DC. Data for 1992, 1997, and 2002 available from http://www.nass.usda.gov/census/ in June 2005.
- 19 USDA (2004a) Cattle—Final Estimates 1999-2003, U.S. Department of Agriculture, National Agriculture Statistics
- 20 Service, Washington, DC. April. Data also available from http://usda.mannlib.cornell.edu/reports/general/sb/>.
- 21 USDA (2004b) Hogs and Pigs—Final Estimates 1998-2002, U.S. Department of Agriculture, National Agriculture
- 22 Statistics Service, Washington, DC. March. Data also available from
- 23 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 24 USDA (2004c) Chicken and Eggs—Final Estimates 1998-2003, U.S. Department of Agriculture, National
- 25 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 26 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 27 USDA (2004d) Poultry Production and Value—Final Estimates 1998-2002, U.S. Department of Agriculture,
- National Agriculture Statistics Service, Washington, DC. April. Data also available from
- 29 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 30 USDA (2004e) Sheep and Goats—Final Estimates 1999-2003, U.S. Department of Agriculture, National
- 31 Agriculture Statistics Service, Washington, DC. April. Data also available from
- 32 http://usda.mannlib.cornell.edu/reports/general/sb/.
- 33 USDA (2000) Chicken and Eggs—Final Estimates 1988-1993, U.S. Department of Agriculture, National
- 35 sets/livestock/95908/sb908.txt>, May 3, 2000.
- 36 USDA (1999a) Cattle—Final Estimates 1994-98. National Agriculture Statistics Service, U.S. Department of
- 37 Agriculture, Washington, DC. January. Available online at http://www.nass.usda.gov:81/ipedb/.
- 38 USDA (1999b) Poultry Production and Value—Final Estimates 1994-97. National Agriculture Statistics Service,
- 39 U.S. Department of Agriculture, Washington, DC. March.

- 1 USDA (1999c) Sheep and Goats—Final Estimates 1994-1998. National Agriculture Statistics Service, U.S.
- 2 Department of Agriculture, Washington, DC. January.
- 3 USDA (1998a) Chicken and Eggs—Final Estimates 1994-97. National Agriculture Statistics Service, U.S.
- 4 Department of Agriculture, Washington, DC. December.
- 5 USDA (1998b) Hogs and Pigs—Final Estimates 1993-97. National Agriculture Statistics Service, U.S. Department
- of Agriculture, Washington, DC. December. Available online at http://www.nass.usda.gov:81/ipedb/.
- 7 USDA (1995a) Cattle—Final Estimates 1989-93. National Agriculture Statistics Service, U.S. Department of
- 8 Agriculture, Washington, DC. January. Available online at http://www.nass.usda.gov:81/ipedb/.
- 9 USDA (1995b) Poultry Production and Value—Final Estimates 1989-1993. National Agriculture Statistics
- 10 Service, U.S. Department of Agriculture, Washington, DC.
- 11 USDA (1994a) Hogs and Pigs—Final Estimates 1988-92. National Agriculture Statistics Service, U.S. Department
- of Agriculture, Washington, DC. December. Available online at http://www.nass.usda.gov:81/ipedb/.
- 13 USDA (1994b) Sheep and Goats—Final Estimates 1989-1993. National Agriculture Statistics Service, U.S.
- 14 Department of Agriculture, Washington, DC. January.
- 15 USDA-NRCS (2000) Digital Data And Summary Report: 1997 National Resources Inventory. Revised December
- 16 2000. United States Department of Agriculture, Natural Resources Conservation Service, Resources Inventory
- 17 Division, Beltsville, MD.
- 18 USGS (2005) Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2005. U.S.
- 19 Geological Survey, Reston, VA. Available online at
- 20 http://minerals.usgs.gov/minerals/pubs/commodity/stone-crushed/index.html#mis>.
- West, T.O., and A.C. McBride (2005) "The contribution of agricultural lime to carbon dioxide emissions in the
- 22 United States: dissolution, transport, and net emissions," Agricultural Ecosystems & Environment 108:145-154.
- 23 Settlements Remaining Settlements: Changes in Carbon Stocks in Urban Trees
- 24 Cairns, M.A., S. Brown, E.H. Helmer, and G.A. Baumgardner (1997) "Root Biomass Allocation in the World's
- Upland Forests." Oceologia 111: 1-11.
- deVries, R.E. (1987) A Preliminary Investigation of the Growth and Longevity of Trees in Central Park. New
- 27 Brunswick, NJ: Rutgers University, M.S. thesis.
- 28 Dwyer, J.F., D.J. Nowak, M.H. Noble, and S.M Sisinni (2000) Connecting People with Ecosystems in the 21st
- 29 Century: An Assessment of Our Nation's Urban Forests. General Technical Report PNW-GTR-490, U.S.
- 30 Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.
- 31 Fleming, L.E. (1988) Growth Estimation of Street Trees in Central New Jersey. New Brunswick, NJ: Rutgers
- 32 University, M.S. thesis. IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse
- 33 Gas Inventories, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme,
- Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.
- 35 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. IPCC National Greenhouse
- 36 Gas Inventories Programme. Hayama, Kanagawa, Japan. Available online at http://www.ipcc-aparth.com/
- 37 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>.
- Nowak, D.J. (2002a) E-mail from David Nowak of the USDA Forest Service to Barbara Braatz at ICF Consulting,
- 39 containing information on possible urban tree carbon and forest carbon overlap, January 10, 2002.

- 1 Nowak, D.J. (2002b) E-mail from David Nowak of the USDA Forest Service to Barbara Braatz at ICF Consulting,
- 2 regarding significant digits, October 29, 2002.
- 3 Nowak, D.J. (1994) "Atmospheric Carbon Dioxide Reduction by Chicago's Urban Forest." In: McPherson, E.G.,
- 4 Nowak, D. J., and Rowntree, R.A. (eds.) Chicago's Urban Forest Ecosystem: Results of the Chicago Urban Forest
- 5 Climate Project. USDA Forest Service General Technical Report NE-186, Radnor, PA, pp. 83-94.
- 6 Nowak, D.J., (1986) "Silvics of an Urban Tree Species: Norway Maple (Acer platanoides L.)." Syracuse, NY: State
- 7 University of New York, College of Environmental Science and Forestry, M.S. thesis.
- 8 Nowak, D.J. and D.E. Crane (2002) "Carbon Storage and Sequestration by Urban Trees in the United States."
- 9 Environmental Pollution 116(3): 381-389.
- Nowak, D.J., D.E. Crane, J.C. Stevens, and M. Ibarra (2002) *Brooklyn's Urban Forest*, USDA Forest Service
- 11 General Technical Report NE-290, Newtown Square, PA.
- 12 Nowak, D.J., M.H. Noble, S.M. Sisinni, and J.F. Dwyer (2001) "Assessing the U.S. Urban Forest Resource."
- 13 *Journal of Forestry*. 99(3): 37-42.
- Nowak, D.J., J.T. Walton, L.G. Kaya, and J.F. Dwyer (2005) "The Increasing Influence of Urban Environments on
- 15 U.S. Forest Management." *Journal of Forestry*.
- 16 Smith, W.B. and S.R. Shifley (1984) Diameter Growth, Survival, and Volume Estimates for Trees in Indiana and
- 17 Illinois. Res. Pap. NC-257. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest
- 18 Experiment Station.

19 Settlements Remaining Settlements: Changes in Yard Trimming and Food Scrap Carbon Stocks in Landfills

- 20 Barlaz, M.A. (1998) "Carbon Storage during Biodegradation of Municipal Solid Waste Components in Laboratory-
- 21 Scale Landfills." *Global Biogeochemical Cycles* 12: 373-380.
- 22 Barlaz, M.A. (2005) "Decomposition of Leaves in Simulated Landfill." Letter report to Randall Freed, ICF
- Consulting, June 29, 2005
- 24 Eleazer, W.E., W.S. Odle, Y. Wang, and M. Barlaz (1997) "Biodegradability of Municipal Solid Waste
- 25 Components in Laboratory-Scale Landfills" *Environmental Science Technology*, 31: 911-917.
- 26 EPA (2005) Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures
- 27 for 2003 Facts and Figures. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency
- 28 Response, Washington, DC. Available online at http://www.epa.gov/epaoswer/non-at-4
- 29 hw/muncpl/pubs/msw05rpt.pdf>.
- 30 EPA (2005a) Municipal Solid Waste in the United States: 2003 Data Tables. U.S. Environmental Protection
- 31 Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at
- 32 http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/03data.pdf>.
- 33 EPA (2003) Characterization of Municipal Solid Waste in the United States: 2001 Update. (Draft) U.S.
- 34 Environmental Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC.
- 35 EPA (1999) Characterization of Municipal Solid Waste in the United States: 1998 Update. U.S. Environmental
- 36 Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.
- 37 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. IPCC National Greenhouse
- 38 Gas Inventories Programme. Hayama, Kanagawa, Japan. Available online at http://www.ipcc-available-nline at <a href="http://www.ipcc-available-nline at <a href="http://www.ipcc-available-nline</
- 39 nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>.

- 1 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 2 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 3 Published: IGES, Japan.
- 4 Oshins, C., and D. Block (2000) "Feedstock Composition at Composting Sites." *Biocycle* 41(9):31-34.
- 5 Schneider, S. (2007) E-mail between Shelly Schneider of Franklin Associates, A Division of ERG and Sarah
- 6 Shapiro of ICF International, January 10, 2007.
- 7 Tchobanoglous, G., H. Theisen, and S.A. Vigil (1993) Integrated Solid Waste Management, 1st edition. McGraw-
- 8 Hill, NY. Cited by Barlaz (1998).

9 Settlements Remaining Settlements: N₂O Fluxes from Soils

- 10 AAPFCO (2006) Commercial Fertilizers 2005. Association of American Plant Food Control Officials and The
- 11 Fertilizer Institute, University of Kentucky, Lexington, KY.
- 12 AAPFCO (2005) Commercial Fertilizers 2004. Association of American Plant Food Control Officials and The
- Fertilizer Institute, University of Kentucky, Lexington, KY.
- 14 AAPFCO (2004) Commercial Fertilizers 2003. Association of American Plant Food Control Officials and The
- 15 Fertilizer Institute, University of Kentucky, Lexington, KY.
- 16 AAPFCO (2003) Commercial Fertilizers 2002. Association of American Plant Food Control Officials and The
- 17 Fertilizer Institute, University of Kentucky, Lexington, KY.
- 18 AAPFCO (2002) Commercial Fertilizers 2001. Association of American Plant Food Control Officials and The
- 19 Fertilizer Institute, University of Kentucky, Lexington, KY.
- 20 AAPFCO (2000a) 1999-2000 Commercial Fertilizers Data. ASCII files. Available: David Terry, Secretary,
- 21 AAPFCO.
- 22 AAPFCO (2000b) Commercial Fertilizers 2000. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 24 AAPFCO (1999) Commercial Fertilizers 1999. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 26 AAPFCO (1998) Commercial Fertilizers 1998. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 28 AAPFCO (1997) Commercial Fertilizers 1997. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 30 AAPFCO (1996) Commercial Fertilizers 1996. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 32 AAPFCO (1995) Commercial Fertilizers 1995. Association of American Plant Food Control Officials, University
- of Kentucky, Lexington, KY.
- 34 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 35 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 36 Published: IGES, Japan.
- 37 Qian, Y. (2004) Meeting between Yaling Qian of Horticulture and Landscape Architecture Department, Colorado

- 1 State University and William Patron and Stephen Del Grosso of Natural Resource Ecology Laboratory, Colorado
- 2 State University, regarding the percentage of national fertilizer applied to turf grass (10% of national N) and the
- 3 confidence interval for this estimate (-50 to +20%), September 17, 2004.
- 4 TVA (1991) Commercial Fertilizers 1991. Tennessee Valley Authority, Muscle Shoals, AL.
- 5 TVA (1992) Commercial Fertilizers 1992. Tennessee Valley Authority, Muscle Shoals, AL.
- 6 TVA (1993) Commercial Fertilizers 1993. Tennessee Valley Authority, Muscle Shoals, AL.
- 7 TVA (1994) Commercial Fertilizers 1994. Tennessee Valley Authority, Muscle Shoals, AL.

8 Waste

9 Landfills

- 10 40 CFR Part 60, Subpart Cc (2005) Emission Guidelines and Compliance Times for Municipal Solid Waste
- Landfills, 60.30c--60.36c, Code of Federal Regulations, Title 40. Available online at
- 12 http://www.access.gpo.gov/nara/cfr/waisidx 05/40cfr60 05.html>.
- 13 40 CFR Part 60, Subpart WWW (2005) Standards of Performance for Municipal Solid Waste Landfills, 60.750--
- 14 60.759, Code of Federal Regulations, Title 40. Available online at
- 15 http://www.access.gpo.gov/nara/cfr/waisidx 05/40cfr60 05.html>.
- 16 Barlaz, M.A. (2005) "Decomposition of Leaves in Simulated Landfill." Letter report to Randall Freed, ICF
- 17 Consulting, June 29, 2005
- 18 Barlaz, M.A. (1998) "Carbon Storage during Biodegradation of Municipal Solid Waste Components in Laboratory-
- 19 Scale Landfills." Global Biogeochemical Cycles 12: 373-380.
- 20 Bingemer, H. and J. Crutzen (1987) "The Production of Methane from Solid Wastes," Journal of Geophysical
- 21 Research, 92:2181-2187.
- 22 BioCycle (2006) "15th Annual BioCycle Nationwide Survey: The State of Garbage in America," P. Simmons, N.
- Goldstein, S. Kaufman, N. Goldstein, N. Themelis, and J. Thompson. April.
- Czepiel, P., B. Mosher, P. Crill, and R. Harriss (1996) "Quantifying the Effect of Oxidation on Landfill Methane
- Emissions," Journal of Geophysical Research, 101(D11):16721-16730.
- 26 Energy Information Agency (EIA) (2006) Voluntary Greenhouse Gas Reports for EIA Form 1605B (Reporting
- Year 2004). Database available at <ftp://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/>.
- 28 EPA (2006) Landfill Gas-to-Energy Project Database, Landfill Methane and Outreach Program. July.
- 29 EPA (2005) Municipal Solid Waste in the United States: 2003 Facts and Figures, U.S. Environmental Protection
- 30 Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available at
- 31 http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.
- 32 EPA (1998) Compilation of Air Pollution Emission Factors, Publication AP-42, Section 2.4 Municipal Solid Waste
- 33 Landfills. November.
- 34 EPA (1993) Anthropogenic Methane Emissions in the United States, Estimates for 1990: Report to Congress, U.S.
- Environmental Protection Agency, Office of Air and Radiation, Washington, DC. EPA/430-R-93-003. April.

- 1 EPA (1988) National Survey of Solid Waste (Municipal) Landfill Facilities, U.S. Environmental Protection Agency,
- Washington, DC. EPA/530-SW-88-011. September.
- 3 IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National
- 4 Greenhouse Gas Inventories Programme, Eggleston H.S., Buenida L., Miwa K., Ngara T., and Tanabe K. (eds.)
- 5 Published: IGES, Japan.
- 6 IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change and Forestry. Prepared by the National
- 7 Greenhous Gas Inventories Programme, Penman J., Gytarsky M., Hiraiski T., Krug T., Kruger D., Pipatti R.,
- 8 Buendia L., Miwa K., Ngara T., Tanabe K. and Wagner F. (eds). IGES, Japan.
- 9 Mancinelli, R. and C. McKay (1985) "Methane-Oxidizing Bacteria in Sanitary Landfills," Proceedings of the First
- 10 Symposium on Biotechnical Advances in Processing Municipal Wastes for Fuels and Chemicals, August 1984,
- 11 Minneapolis, Minnesota, pp. 437-450.
- 12 Peer, R., S. Thorneloe, and D. Epperson (1993) "A Comparison of Methods for Estimating Global Methane
- Emissions from Landfills," Chemosphere, 26(1-4): 387-400.
- 14 RTI (2004) Documentation for Changes to the Methodology for the Inventory of Methane Emissions from
- 15 Landfills. September.
- 16 Solid Waste Association of North America (SWANA) (1998) "Comparison of Models for Predicting Landfill
- 17 *Methane Recovery*," Publication No. GR-LG 0075, March.
- 18 U.S. Bureau of Census (2006) International Data Base. Available online at
- 19 http://www.census.gov/ipc/www/idbnew.html April.
- 20 Wastewater Treatment
- 21 ARCADIS (2004) Memorandum from M.Doorn ARCADIS to D. Pape, ICF and E. Scheehle, EPA, "Response to
- ERG Review and New US M&P estimates," dd. 16 August, 2004.
- 23 Doorn, M., and E. Scheehle (2002) Estimate of U.S. Methane Emissions from Industrial Wastewater; Enhancing
- 24 Completeness of the Annual National Greenhouse Gas Inventory. Third Int. Symposium on Non-CO2 Greenhouse
- Gases (NCGG-3), Maastricht, Netherlands, 21-23 Jan., 2002.
- 26 Eckenfelder, W.W. (1980) Principles of Water Quality Management. CBI Publishing Company, Inc. Boston MA.
- 27 1980.
- 28 EPA (1974) Development Document for Effluent Limitations Guidelines and New Source Performance Standards
- 29 for the Apple, Citrus, and Potato Processing Segment of the Canned and Preserved Fruits and Vegetables Point
- 30 Source Category. Office of Water. EPA-440/1-74-027-a, Washington DC, March.
- 31 EPA (1992) Clean Watersheds Needs Survey 1992 Report to Congress. Office of Wastewater Management,
- Washington, DC.
- 33 EPA (1993a) Anthropogenic Methane Emissions in the U.S.: Estimates for 1990, Report to Congress. Office of Air
- and Radiation, Washington, DC. April.
- 35 EPA (1993b) Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Pulp,
- 36 Paper and Paperboard Point Source Category. EPA-821-R-93-019. Office of Water, Washington, DC, October.
- 37 EPA (1996) 1996 Clean Water Needs Survey Report to Congress. Assessment of Needs for Publicly Owned
- 38 Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and Management of Storm Water and
- 39 Nonpoint Source Pollution in the United States. Office of Wastewater Management, Washington, DC. Downloaded

- 1 from: http://www.epa.gov/owm/mtb/cwns/1996rtc/toc.htm.
- 2 EPA (1997a) Estimates of Global Greenhouse Gas Emissions from Industrial and Domestic Wastewater Treatment.
- 3 Office of Policy, Planning, and Evaluation. EPA-600/R-97-091, Washington, DC, September.
- 4 EPA (1997b) Supplemental Technical Development Document for Effluent Guidelines and Standards (Subparts B &
- 5 E). EPA-821-R-97-011. United States Environmental Protection Agency, Office of Water, Washington, DC,
- 6 October, 1997.
- 7 EPA (1998) "AP-42 Compilation of Air Pollutant Emission Factors." Chapter 2.4, Table 2.4-3, page 2.4-13.
- 8 Downloaded from: http://www.epa.gov/ttn/chief/ap42/ch02/final/c02s04.pdf.
- 9 EPA (2000) Clean Watersheds Needs Survey 2000 Report to Congress. Office of Wastewater Management,
- Washington, DC. Downloaded from: http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm.
- 11 EPA (2002) Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Meat
- 12 and Poultry Products Industry Point Source Category (40 CFR 432). Office of Water. EPA-821-B-01-007,
- Washington DC, January 2002.
- 14 EPA (2004a) Clean Watersheds Needs Survey 2004 Report to Congress. Office of Wastewater Management,
- 15 Washington, DC.
- 16 EPA (2004b) Technical Development Document for the Final Effluent Limitations Guidelines and Standards for the
- 17 Meat and Poultry Products Point Source Category (40 CFR 432). Office of Water. EPA-821-R-04-011,
- 18 Washington DC, July.
- 19 FAO (2006) FAOSTAT Statistical Database, United Nations Food and Agriculture Organization. Available online
- at: http://faostat.fao.org/site/346/DesktopDefault.aspx?PageID=346, accessed August 21, 2006.
- 21 Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers.
- 22 (2004) Recommended Standards for Wastewater Facilities (Ten-State Standards).
- 23 IPCC (2006a) 2006 IPCC Guidelines for National Greenhouse Gas Inventories—Volume 5, Chapter 6 (Wastewater
- Treatment and Discharge), Prepared by the National Greenhouse Gas Inventories Programme, Eggleston H.S.,
- 25 Buendia L., Miwa K., Ngara T. and Tanabe K. (eds). Published: IGES, Japan. Available at http://www.ipcc-published: IGES, Japan. Available at <a href="http://www.ipcc-published: IGES, Japan. Available at <a href="http://www.ipcc-published: IGES, Japan. Available at http://www.ipcc-published: IGES, Japan. Available at <a href="http://www.ipcc-published: IGES, I
- 26 nggip.iges.or.jp/public/2006gl/ppd.htm.>
- 27
- 28 IPCC (2006b) 2006 IPCC Guidelines for National Greenhouse Gas Inventories—Volume 4, Chapter 10 (Emissions
- 29 from Livestock and Manure Management), Prepared by the National Greenhouse Gas Inventories Programme,
- 30 Eggleston H.S., Buendia L., Miwa K., Ngara T. and Tanabe K. (eds). Published: IGES, Japan. Available at
- 31 http://www.ipcc-nggip.iges.or.jp/public/2006gl/ppd.htm
- 32 IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories,
- 33 Intergovernmental Panel on Climate Change, Intergovernmental Panel on Climate Change, National Greenhouse
- 34 Inventories Porgramme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May.
- Lockwood-Post (2002) Lockwood-Post's Directory of Pulp, Paper and Allied Trades, Miller-Freeman Publications,
- 36 San Francisco, CA.
- 37 Metcalf & Eddy, Inc. (1991) Wastewater Engineering: Treatment, Disposal and Reuse, 3rd ed., McGraw Hill
- 38 Publishing.
- 39 Metcalf & Eddy, Inc. (2003) Wastewater Engineering: Treatment, Disposal and Reuse, 4th ed. McGraw Hill
- 40 Publishing.
- 41 Nemerow, Nelson Leonard and Avijit Dasgupta (1991) Industrial and Hazardous Waste Treatment. Van Nostrand
- 42 Reinhold. NY. ISBN 0-442-31934-7.

Pulp and Paper (2005) "U.S. paper/board production rises in 2004 to 91.47 million tons." April.

2

- 3 Pulp and Paper (2006) "AF&PA projects more capacity losses this year, small gains in 2007-08." April.
- 4 Pulp and Paper (2003-2006) "Month in Statistics." January 2003-June 2006.
- 5 Scheehle, E.A., and Doorn, M.R. (2001) "Improvements to the U.S. Wastewater Methane and Nitrous Oxide
- 6 Emissions Estimate", July.
- 7 U.S. Census Bureau (2006a) International Database. Downloaded from:
- 8 http://www.census.gov/ipc/www/idbprint.html.
- 9 U.S. Census Bureau (2006b) "American Housing Survey." Table 1A-4: Selected Equipment and Plumbing--All
- Housing Units. From 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003 and 2005 reports. Downloaded from:
- 11 http://www.census.gov/hhes/www/housing/ahs/nationaldata.html.
- 12 USDA (2006) National Agricultural Statistics Service. Washington, DC. Downloaded from:
- 13 http://www.nass.usda.gov/Publications/Ag Statistics/index.asp> and
- 14 http://www.nass.usda.gov:8080/QuickStats/.
- 15 USPoultry (2006) Email from John Starkey, USPOULTRY to D. Bartram, ERG. 30 August 2006.
- World Bank (1999) Pollution Prevention and Abatement Handbook 1998, Toward Cleaner Production. The
- 17 International Bank for Reconstruction and Development/The WORLDBANK. 1818 H Street, N.W. Washington,
- 18 DC. 20433, USA. ISBN 0-8213-3638-X.
- 19 Waste Sources of Indirect Greenhouse Gas Emissions
- 20 EPA (2006) Air Emissions Trends Continued Progress Through 2005. U.S. Environmental Protection Agency,
- 21 Washington DC. December 19, 2006. http://www.epa.gov/air/airtrends/index.html>.
- 22 EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA
- 23 OAQPS. December 22, 2003.
- 24 EPA (1997) Compilation of Air Pollutant Emission Factors, AP-42, U.S. Environmental Protection Agency, Office
- of Air Quality Planning and Standards, Research Triangle Park, NC, October.

26

27